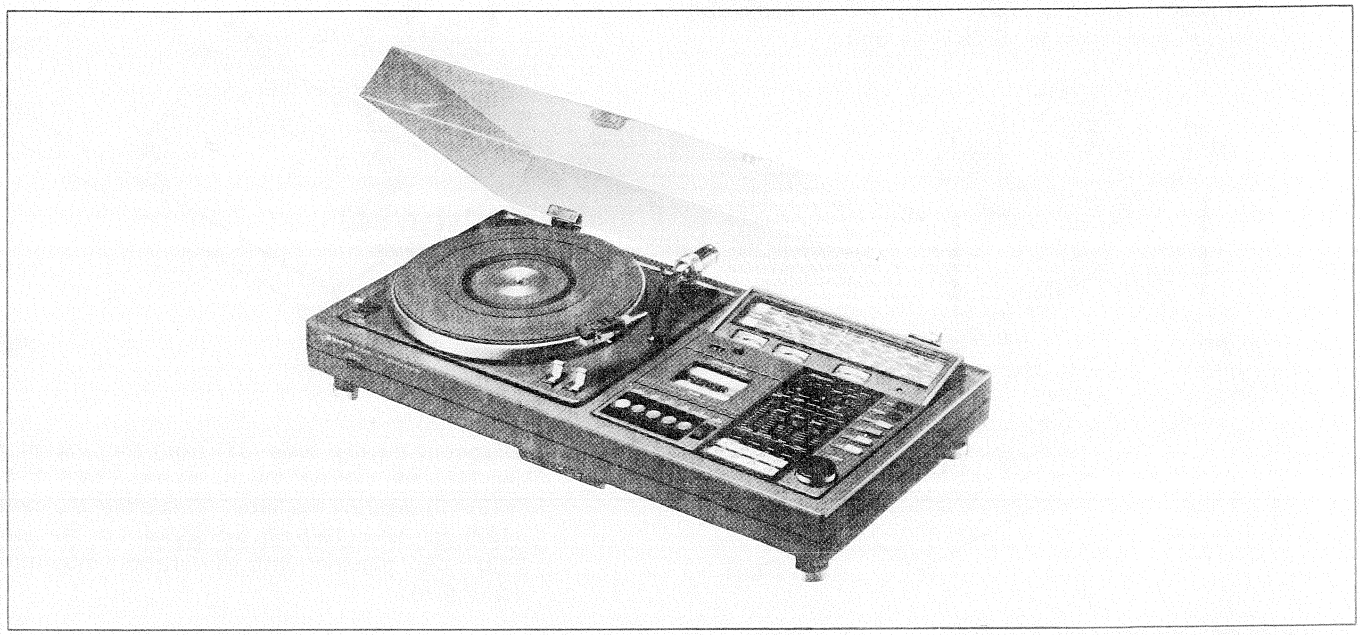
SERVICE MANUAL

SANYO

STEREO MUSIC SYSTEM

DCW4800UM

(EUROPE)



SPECIFICATIONS

Cassette recorder and tuner section

Recording system:	AC bias, 1/4 track stereo
Erasing:	AC erase
Tape Speed:	1-7/8 ips. (4.75 cm/s)
Rewind & Fast forward time:	1.30" (C-60)
Wow & Flutter:	0.2% WRMS
Signal to noise ratio:	62 dB (Dolby switch ON) 55 dB (Dolby switch OFF)
Speed accuracy:	±2%
Cross talk:	60 dB
Frequency Range:	FM: 87.5 - 108 MHz S/N 30 dB sensitivity 23 dB SW: 5.9 - 18 MHz S/N 20 dB sensitivity 31 dB MW: 510 - 1,605KHz S/N 20 dB sensitivity 78 dB LW: 150 - 350 kHz S/N 20 dB sensitivity 87 dB
MPX separation:	35 dB (1 KHz)
3 dB limiting:	30 dB (input 60 dB)
Frequency response:	NORMAL: 40 - 13,000 Hz CrO_2: 40 - 16,000 Hz

Turntable section

Turntable speed:	33-1/3 and 45 rpm.
Cartridge:	Moving magnet cartridge (MM107A) with diamond stylus (N107A)
Wow & Flutter:	0.1% WRMS
Tracking force:	2.5g
Turntable:	282 mm dia.
Frequency response:	20-20,000Hz

General

Power output:	17W x 2
Terminal impedance:	MIC: 10k ohm (0.3mV) AUX/(REC/PLAY) input: 470k ohm (150mV) output: 270k ohm (220mV) SPEAKERS: 8 ohm HEADPHONES: 8 ohm (50mW)
Power source	AC: 110/125/220V
Dimensions:	Approx. 27-1/16" (W) x 14-1/8" (D) x 6-15/16" (H) (686 x 358 x 175 mm)
Weight:	Approx. 30 lbs. (13.5kg)

Note: Specifications subject to change without noitce.

DISASSEMBLY

A. Removing turntable unit (cf. Fig. 1)

1. First, dismount the turntable platter (T1) and the sheet (T91) on it. Next, remove the two special screws (19) fastening the turntable plate assembly (T10) to the main unit of the G2811KL. (cf. TURNTABLE EXPLODED VIEW)

* Pull up and turn counterclockwise the special screws to remove.

2. Detach the lead socket (107) from the plug (T84) of the turntable power cord. Pull two RCA plug pins (108) out of the socket assembly (T88). Now, the turntable unit can be separated from the G-2811KL unit.

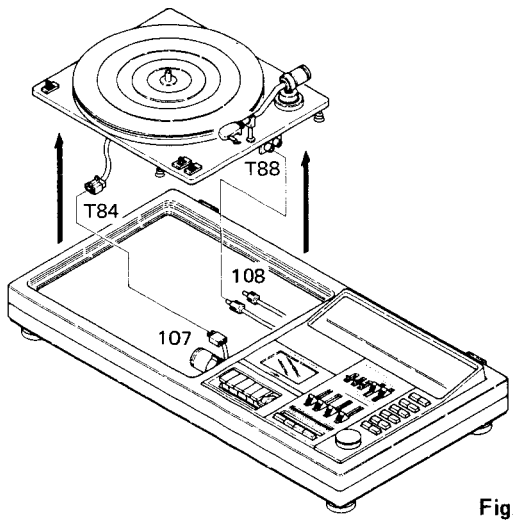


Fig. 1

B. Removing deck panel (cf. Fig. 2)

1. Detach from their shafts six slide knobs (16) and one tuning knob (17) for operation control.
2. Remove the 10 screws (Y13) and the screw marked (Y14), and the deck panel (1) will come off.

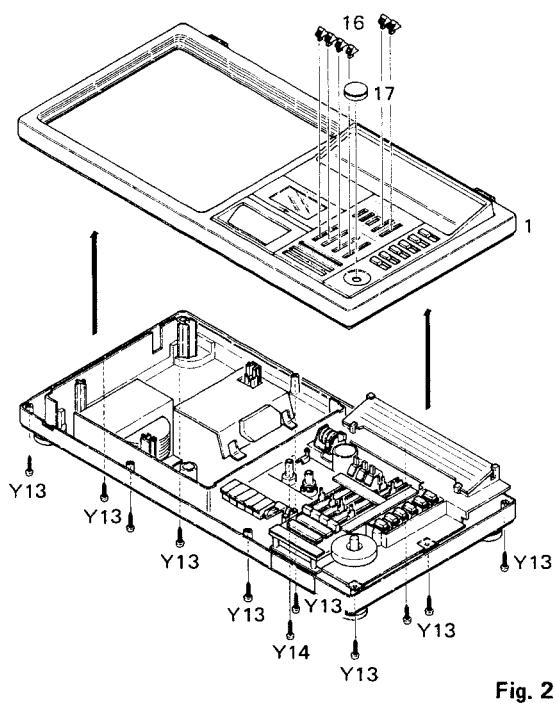


Fig. 2

C. Removing printed circuit boards (cf. Fig. 3 to 8)

1. Remove the three screws (2 marked Y11 and 1 marked Y12) and detach the 10-pin socket (114) from the connector PCB (126). Then, you can remove the FM "touch" tuning PCB (133). (cf. Fig. 3)

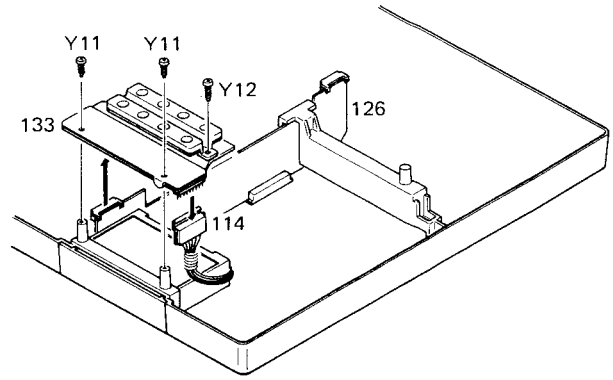


Fig. 3

2. Dismount the dial scale (37) from the bracket mounting (48) and remove the six screws (Y4 = 1, Y5 = 2, Y12 = 3) securing the latter. This done, the meter PCB (128) can be pulled off the socket on the connector PCB (126) together with the bracket mounting (48). (cf. Fig. 4)

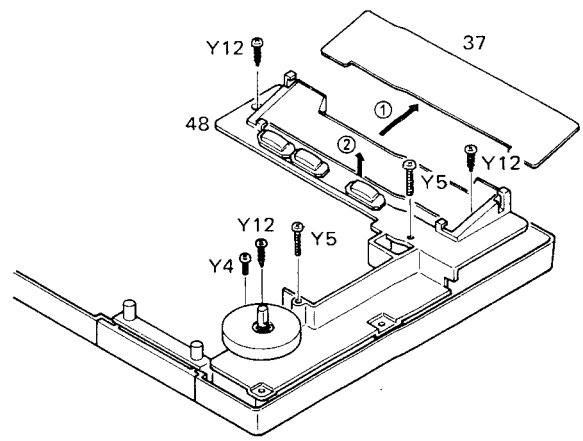


Fig. 4

DISASSEMBLY

3. Remove the two screws (one each marked Y11 and Y31) and disconnect the socket from the connector PCB (126). Then, the volume PCB (121) will come off.
   Next, remove the band select PCB (132) by unplugging it from the tuner PCB (131).
   Lastly, remove the function PCBs (124 & 125) by unplugging it from the connector PCB (126). (cf. Fig. 5)

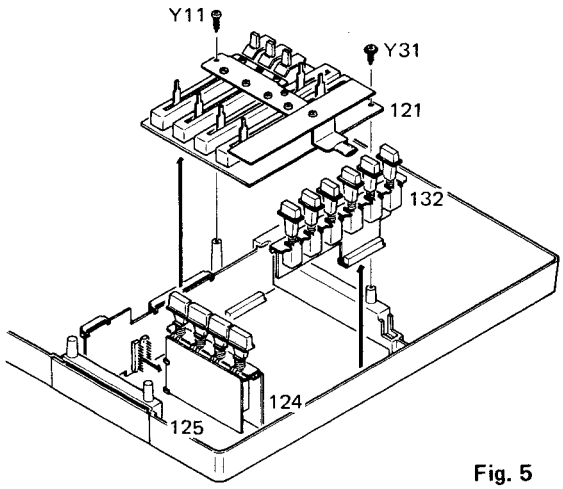


Fig. 5

4. Remove the two pairs of screws (Y12) and washers (Y24) and unplug the equalizer PCB (120) from the socket of the connector PCB (126). (cf. Fig. 6)
5. Remove the three screws (Y31) and a pair of screw (Y12) and washer (Y24). Then, unplug the amplifier PCB (129) from the socket of the connector PCB (126). (cf. Fig. 6)
6. Remove the three pairs of screws (Y12) and washers (Y24), and two pairs of screws (Y13) and washers (Y24). Then, detach the tuner PCB (131) by unplugging it from the socket on the connector PCB (126). (cf. Fig. 6)

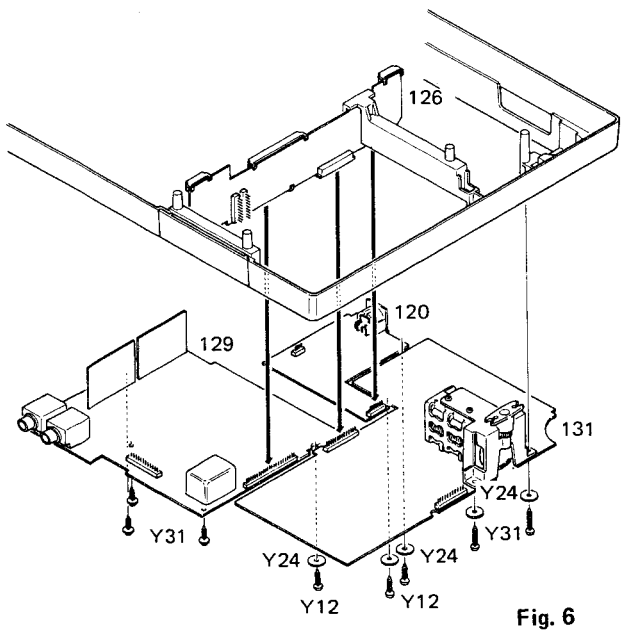


Fig. 6

7. The connector PCB (126) can be detached only after all the above-mentioned printed circuit boards have been removed. Turn the connector PCB in the direction indicated by the arrows ① and then pull it out in the direction indicated by the arrow ②. (cf. Fig. 7)

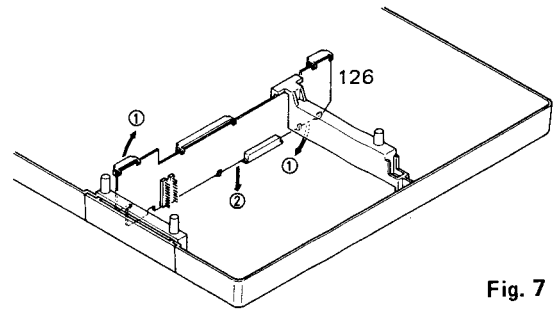


Fig. 7

8. Remove the six screws (Y30 = 3, Y31 = 1 & Y32 = 2), and the power amplifier PCB (122) will come off.
9. Take out the power amplifier connector PCB (123) after removing the screw (Y30). (cf. Fig. 8)
10. Take out the power supply PCB (127) after removing the two screws (Y31). (Fig. 8)

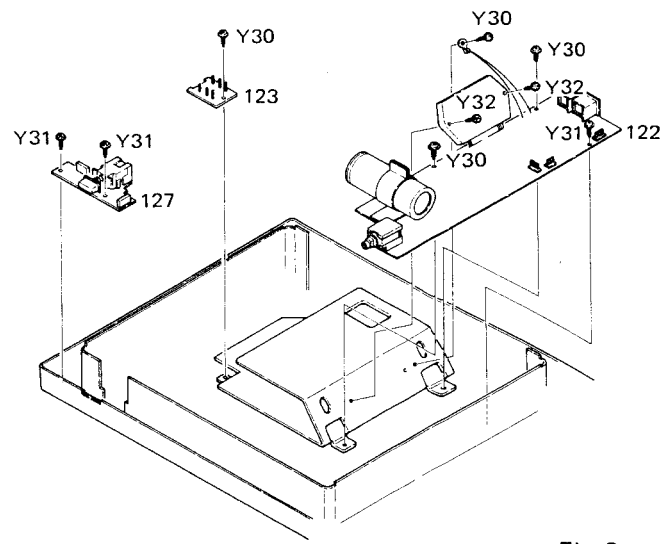


Fig. 8

DIAL CORD STRINGING

1. Cut dial rope to approximately 1,600 mm in length. Tie its ends to form a ring. The rope length should become 1,400 mm. (Fig. 9)

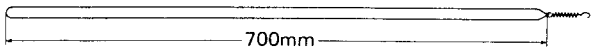


Fig. 9

2. Bend the teeth of the bracket mounting (48) to the outside and open the pilot lamp PCB. (cf. Fig. 10)

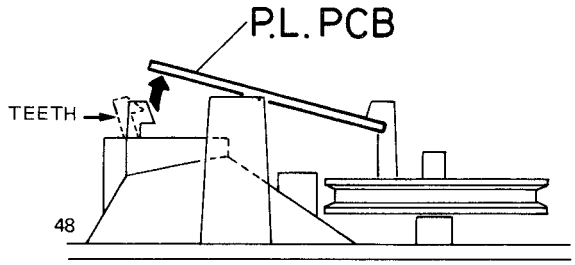


Fig. 10

3. Hook the spring coil (60) to the drum (68) and thread the dial rope through the gap between the bracket mounting and pilot lamp PCB. (cf. Fig. 11). Run the dial rope around the pulleys from ① to ⑦ as in Fig. 12. Wind the loose end of the dial rope and put it around the pulley ⑨ as in Fig. 12.

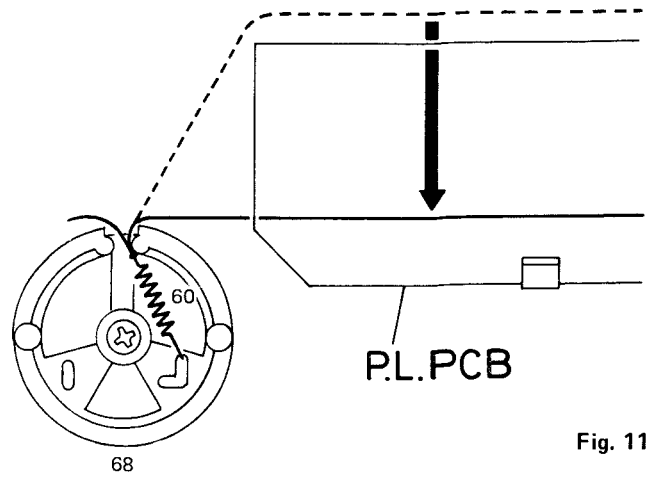


Fig. 11

* The dial rope should be wound three times around the tuning shaft and drum.

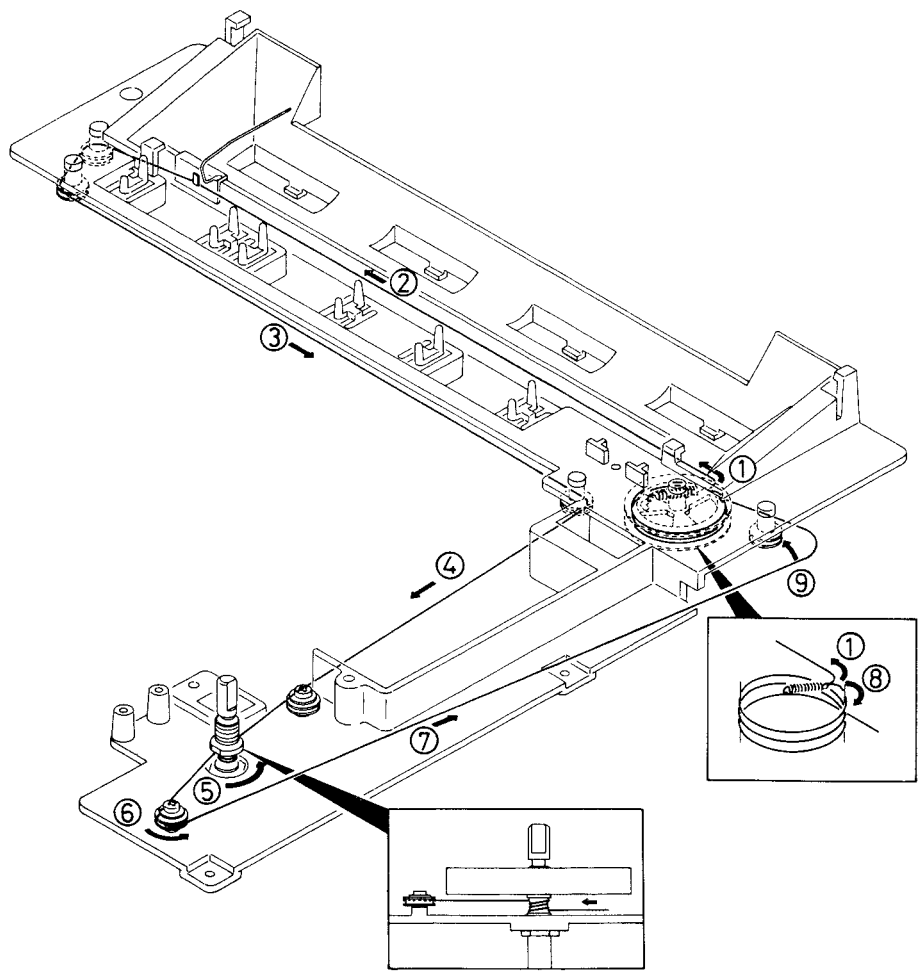


Fig. 12

DIAL CORD STRINGING

4. Turn the variable capacitor as far as it moves in the arrow-marked direction (MAX. position). Engage the protrusion on the dial drum (68) with the mating plate of the variable capacitor as in Fig. 13 (note the position of the cut in the drum), paying attention that the mating plate is parallel to the capacitor gears (22).
5. Re-attach the pilot lamp PCB in its position. Then, attach the pointer, making it meet the starting point on the dial scale.

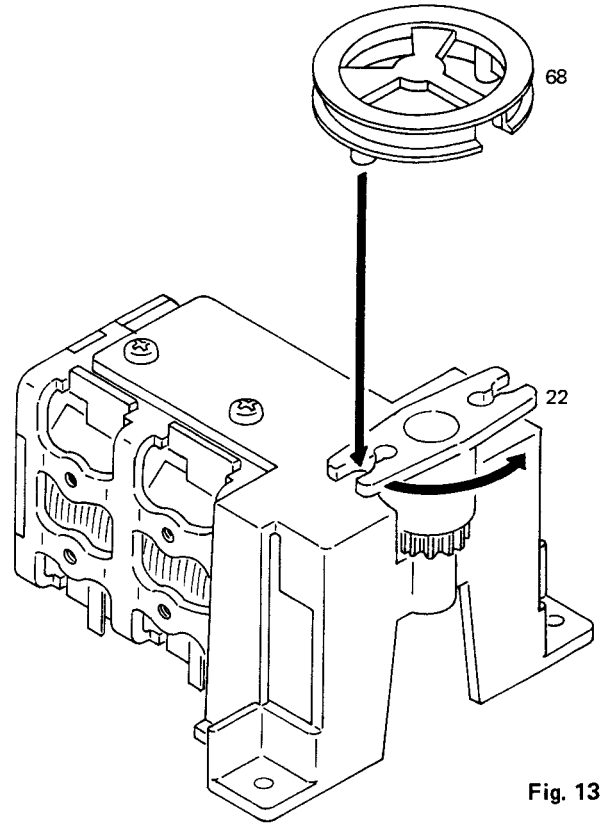


Fig. 13

REPLACING MOTOR PULLEY

1. Remove the screw (headless screw 3ϕ x 2 mm) fastening the pulley (T13) to the motor (T14). (cf. Fig. 14-a)
2. Adjust the speed select arm (T7) so that it corresponds to the pulley (T13) in height as shown in Fig. 14-b. To make this adjustment, loosen the pan head screw (3 x 6) (T5) on the speed select base and move the eccentric pin (T4). (cf. Fig. 14)

* This adjustment should be made with the speed select bar (T12) set to 33 rpm.

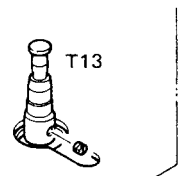


Fig. 14-a

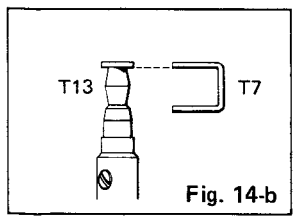


Fig. 14-b

Fig. 14

ADJUSTMENT

CONDITIONS FOR MEASUREMENT

1. Check the source voltage.
2. The input of recording signals is at the AUX (REC/PLAY) terminals Nos. 3 and 5.
3. The point of measurement is the speaker, using mainly a dummy load of 8 ohms. The speakers for both channels should be loaded simultaneously.
4. Unless otherwise specified, each of the control volumes – BALANCE, TREBLE and BASS – should be set to the center position.
5. The BEAT CANCEL switch should be set to "1".
6. The FUNCTION switch should be set to AUX during recording and to TAPE during playback.
7. The LOUDNESS switch should be set to OFF.
8. The heads should be cleaned in advance.
9. When CrO_2 tape is in use, the REC/PLAY frequency response should be: 1kHz, 10kHz = 0 ± 3 dB. The divergence of the output, when adjusted, should be within ± 1 dB.

HEAD AZIMUTH

1. Set the switches to the following positions:
   FUNCTION switch → TAPE
   TAPE switch ——→ NORMAL
   DOLBY switch ——→ OFF
   MAIN VR ——→ CENTER POSITION
2. Mount VTT-658 (10kHz –15dB) test tape and set the unit in the PLAY mode. Adjust the head azimuth screw until the VTVM reading becomes maximum. (Fig. 15a, b)
3. Do the above for both the left and right channels.

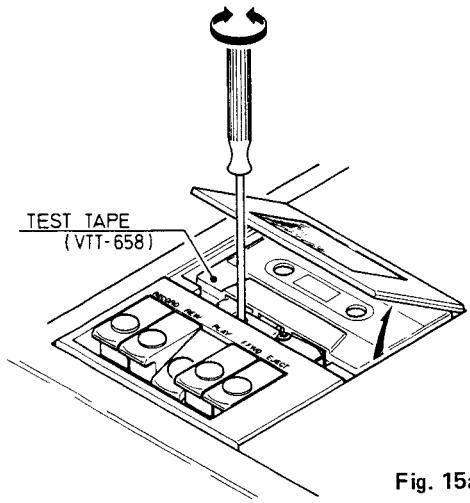


Fig. 15a

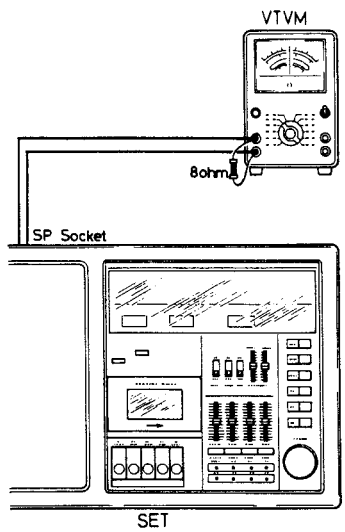


Fig. 15b

METER (RECORDING)

1. Set the switches to the following positions:
   FUNCTION switch → AUX
   TAPE switch ——→ NORMAL
   DOLBY switch ——→ OFF
2. Mount normal tape onto the unit.
3. Apply 1 kHz –10dB (100mV) signals to the unit at the AUX terminal from the AF oscillator via the attenuator. Set the unit in the recording mode. (Fig. 16)
4. Set the recording volume to 580mV, at TP701 and TP801.
5. Set the MAIN VOLUME to 500mW (speaker output of 2V). (Fig. 17)
6. Obtain a meter reading of +2VU ±0.5dB, adjusting SVR702 and SVR802. (Fig. 18)

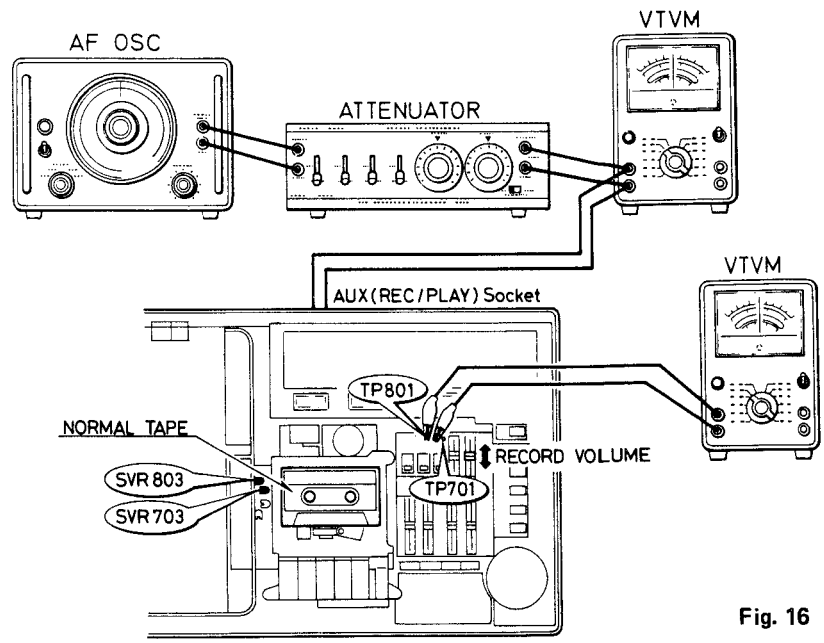


Fig. 16

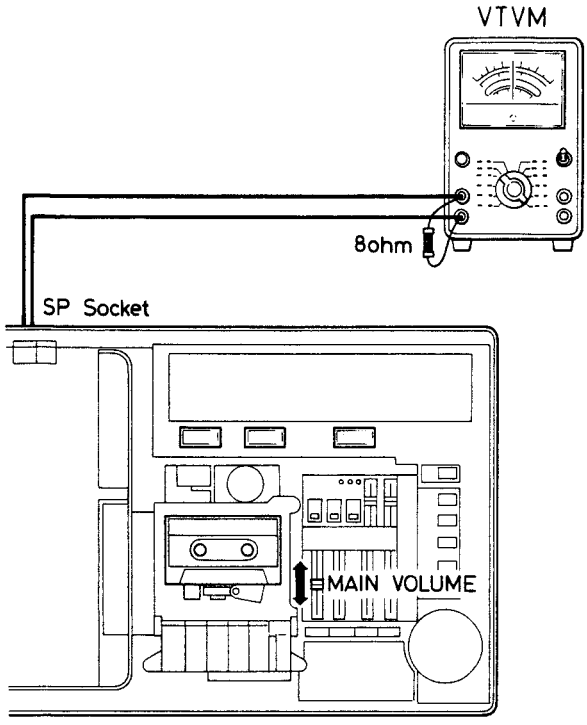


Fig. 17

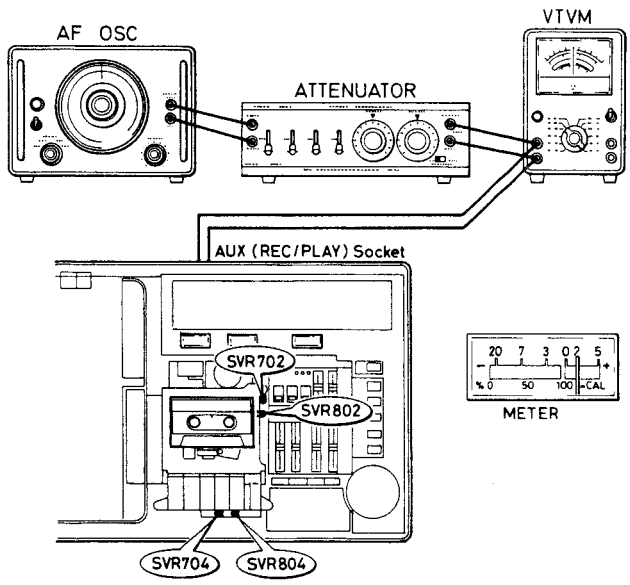


Fig. 18

METER (PLAYING)

1. Set the switches to the following positions:
   FUNCTION switch ⟶ TAPE
   TAPE switch ⟶ NORMAL
   DOLBY switch ⟶ OFF
   MAIN & RECORD VRs ⟶ Meter readings (recording): 4 & 5 calibrations.
2. Mount MTT-150 (DOLBY) tape onto the unit, and set it in playback mode.
3. Adjust SVR701 and SVR801 to obtain a meter reading of +2VU ±0.5 dB for each channel. (Fig. 19)

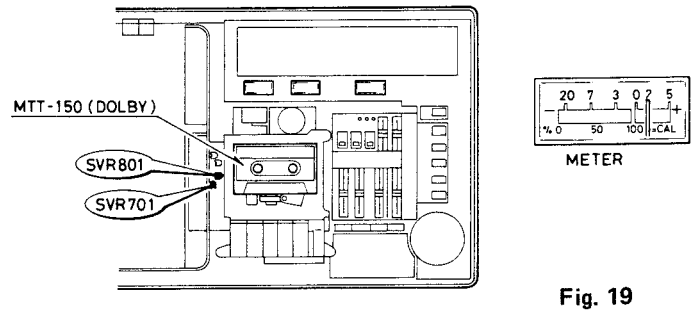
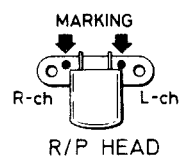


Fig. 19

BIAS

1. Set the switches to the following positions:
   TAPE switch ⟶ NORMAL
   DOLBY switch ⟶ OFF
   MAIN & RECORD VRs ⟶ Meter readings (recording): 4 & 5 calibrations.
2. Mount mormal (or SANYO) tape onto the unit. Set the unit in the recording mode.
3. Measure the voltage on the VTVM, connecting it to both ends of R702 (10 ohms) for the R/P head. Do the same with R802.
4. Obtain the voltages listed below for the corresponding marks, adjusting SVR704 and SVR804. (Fig. 20)



Marking	Bias current
Violet	400 μA (4mV)
Green	450 μA (4.5mV)
Black	500 μA (5mV)
Red	550 μA (5.5mV)
Non mark	600 μA (6mV)
Blue	650 μA (6.5mV)
Brown	700 μA (7mV)

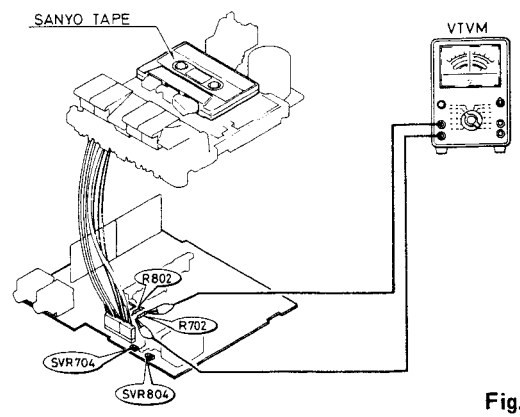


Fig. 20

RECORD/PLAYBACK FREQUENCY RESPONSE

1. Set the switches to the following positions:
   FUNCTION switch → AUX ⇨ TAPE
   TAPE switch → NORMAL
   DOLBY switch → OFF
   MAIN & RECORD VRs → Meter readings (recording): 4 & 5 calibrations
2. Apply inputs of 100Hz, 1kHz and 10kHz −30 dB to the unit at AUX. Set the unit in the recording mode. (Fig. 21)
3. Play tape and make necessary adjustment to obtain the following:
   100Hz output = 0 dB
   1kHz output = 0 ± 2 dB
   10kHz output = +1 ± 2 dB
4. Readjust SVR704 and SVR804 if the VTVM readings do not conform to the above readings.

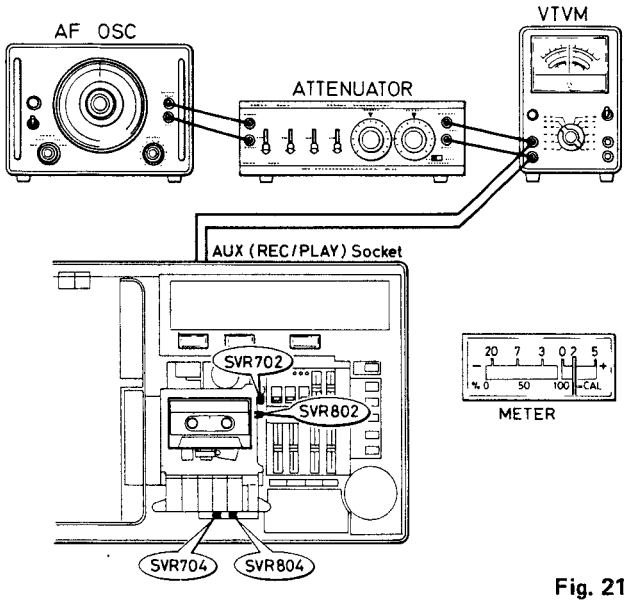


Fig. 21

OUTPUTS

1. Set the switches to the following positions:
   FUNCTION switch → AUX ⇨ TAPE
   TAPE switch → NORMAL
   DOLBY switch → OFF
   MAIN & RECORD VRs → Meter readings (recording): 4 & 5 calibrations
2. Mount normal tape onto the unit and set the unit in the recording mode.
3. Apply 1kHz −10 dB (100mV) signals to AUX. (Fig. 22)
4. Playback the above 1kHz signals.
5. Make the recording output correspond to the playback output by adjusting SVR703 and SVR803.

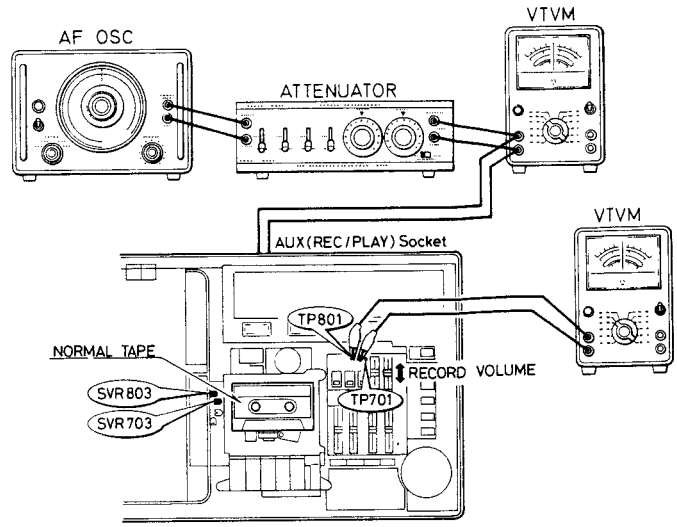


Fig. 22

DOLBY PCB 19kHz TRAP

1. Apply 19kHz ±100Hz signals to the unit at the AUX terminal from the AF oscillator via the attenuator.
2. Obtain a VTVM reading of 30mV, adjusting the attenuator.
3. Obtain a minimum output from the TP701 and TP801 by adjusting L502 and L552. (Fig. 23)

* Provided that the output level is 0 dB for an input of 1kHz, there should be an output of less than −30 dB at 19kHz.

NOTE: The frequency generated by the AF oscillator will fluctuate slightly with a rise in temperature. Keep watching the digital counter and adjust, if necessary.

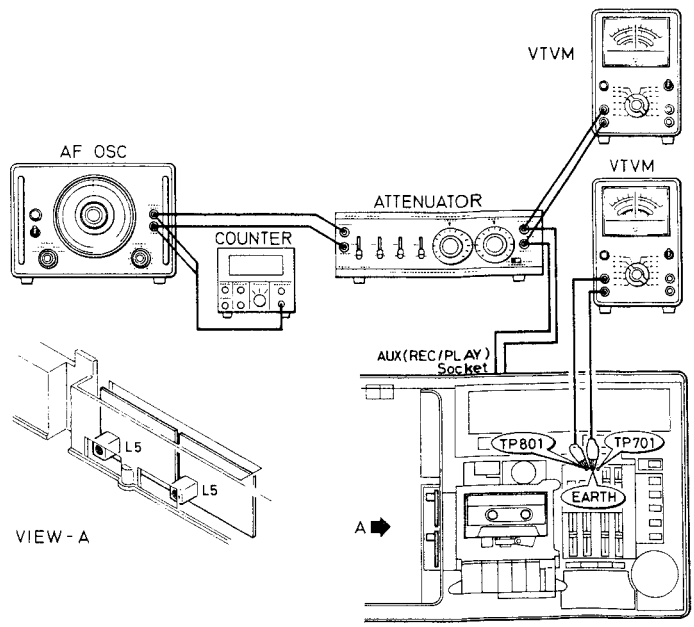


Fig. 23

TUNER ADJUSTMENT

1. Check the source voltage.
2. Set the BAND selector switch to the band for its alignment.
3. Disconnect from the unit the FM telescopic antenna.
4. The standard test signal is amplitude-modulated by 30% with a 400Hz audio signal.
5. The standard test signal is frequency-modulated by a deviation of 22.5kHz with a 1kHz audio signal.

Test equipment

1. Signal generator for MW, LW and SW.
2. Loop antenna for MW and LW.
3. DIN dummy antenna for SW
4. VTVM
5. Scope for FM
6. Signal generator for FM
7. Dummy antenna for FM

Voltage adjustment

1. Set the BAND selector switch to FM.
2. Connect a VTVM to TP-201 (+) and TP-202 (−).
3. Adjust R217 (50kB) until 0.5V is obtained.

MW ALIGNMENT

Alignment	Equipment	Connection	Step	Gen. Freq.	Dial Setting	Adjustment	For
IF	AM Signal Generator VTVM	See page 11		450kHz	Minimum Frequency	T151, T202	Maximum Output
TUNING RANGE	AM Signal Generator VTVM		1	505kHz	Minimum Frequency	L155	Maximum Output
			2	1650kHz	Maximum Frequency	CT154	Maximum Output
			3	Repeat steps 1 and 2.			
TRACKING	Signal Generator VTVM		1	600kHz	Tune to Signal	L153	Maximum Output
			2	1400kHz	Tune to Signal	CT153	Maximum Output
			3	Repeat steps 1 and 2 until no further improvement can be made.			

1) Points for testing IF output: H (hot side) ..... TR205, E (earth side) TP204
2) For testing, use an IRE loop antenna.

LW ALIGNMENT

Alignment	Equipment	Connection	Step	Gen. Freq.	Dial Setting	Adjustment	For
TUNING RANGE	AM Signal Generator VTVM	See page 11	1	145kHz	Minimum Frequency	L156	Maximum Output
			2	360kHz	Maximum Frequency	CT156	Maximum Output
			3	Repeat steps 1 and 2 until no further improvement can be made.			
TRACKING	AM Signal Generator VTVM		1	160kHz	Tune to Signal	L153	Maximum Output
			2	340kHz	Tune to Signal	CT155	Maximum Output
			3	Repeat steps 1 and 2 until no further improvement can be made.			

1) For testing, use an IRE loop antenna.

SW ALIGNMENT

Alignment	Equipment	Connection	Step	Gen. Freq.	Dial Setting	Adjustment	For
TUNING RANGE	AM Signal Generator VTVM	See page 11	1	5.8MHz	Minimum Frequency	L154	Maximum Output
			2	18.5MHz	Maximum Frequency	CT152	Maximum Output
			3	Repeat steps 1 and 2 until no further improvement can be made.			
TRACKING	AM Signal Generator VTVM		1	7MHz	Tune to Signal	L152	Maximum Output
			2	18MHz	Tune to Signal	CT151	Maximum Output
			3	Repeat steps 1 and 2 until no further improvement can be made.			

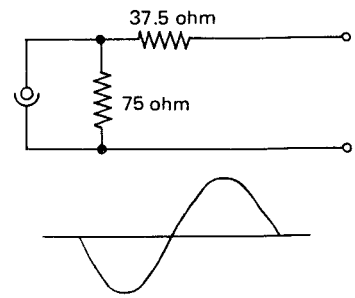
1) For testing, use a DIN (IEC) dummy antenna.

TUNER ADJUSTMENT

FM ALIGNMENT

Alignment	Equipment	Connection	Step	Gen. Freq.	Dial Setting	Adjustment	For
IF	IF Sweep Generator Oscilloscope	See page 11		10.7MHz	Minimum Frequency	T101,T201,T203	Symmetrical curve for Maximum
						T204	Symmetrical S-curve on Scope
TUNING RANGE	FM Signal Generator VTVM		1	Manual 87MHz	Minimum Frequency	R126	Maximum Output
				Pre-set 88MHz		R125	
			2	Manual 105MHz Pre-set	Maximum Frequency	L103 Stretch or Squeeze	Maximum Output
			3	Repeat steps 1 and 2.			
TRACKING	FM Signal Generator VTVM		1	90MHz	Minimum Frequency	L101, L102 Stretch or Squeeze	Maximum Output
			2	103MHz	Maximum Frequency	CT101, CT102	Maximum Output
			3	Repeat steps 1 and 2 until no further improvement can be made.			

1) For testing, use a dummy antenna (75 ohm unbalanced).
2) Points for testing IF input H (hot side) TP102
   E (earth side) TP101
   Points for testing output H (hot side) TP203
   E (earth side) TP204
3) Adjust the detector transformer to obtain an S curve as illustrated at right.
   Points for testing input H (hot side) TP102
   E (earth side) TP101
   Points for testing output H (hot side) TP206
   E (earth side) TP204
4) Adjust the signal range covered, starting with the high range according to the instructions in the manual.
   Pre-set tuning buttons to 88MHz to cover the low range.
   No adjustment is required of the high range.
   * There may be deviations in the low range but its center channel should correspond to 88MHz.



MPX ADJUSTMENT

1. PILOT FREQUENCY

Connect a frequency counter to the test points ((+) to TP301 and (–) to TP204). Set the BAND switch to FM and adjust R302 (5kB) to obtain an accurate pilot frequency of 19kHz, while receiving no signals. (Fig. 24)

2. SEPARATION

Apply from the stereo signal generator to the SG a 96MHz (modulation 30%, pilot frequency 10%) 60 dB signal. Adjust R306 (2kB) to achieve maximum separation for L & R channels at the stereo signal generator. (Fig. 25) Signals to the right channel should be minimum when adjusting the left channel and those to the left channel should be minimum when adhusting the right channel.

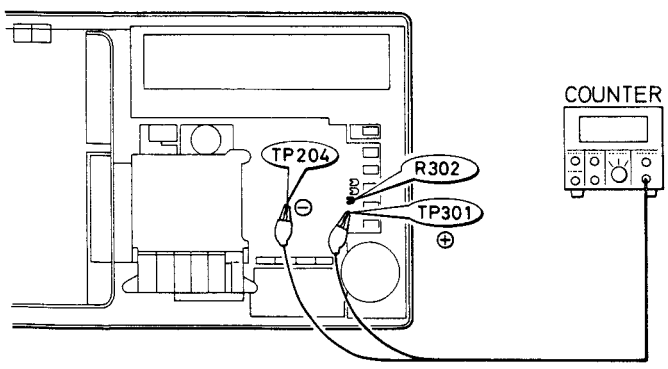


Fig. 24

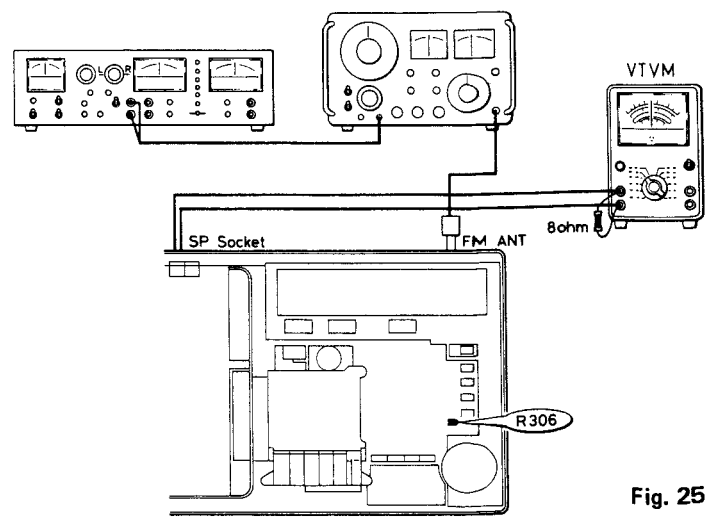


Fig. 25

METER ADJUSTMENT (TUNING)

Make the following adjustment with the BAND switch set to MW.

1. Zero point
   Adjust R206 (1kB) so that the SG output is zero and the needle is about to start swining. (Fig. 26)
2. Maximum point
   Adjust R204 (2kB) so that the needle stands at the maximum 10 with the SG output at 1kHz 126 dB. (Fig. 26)

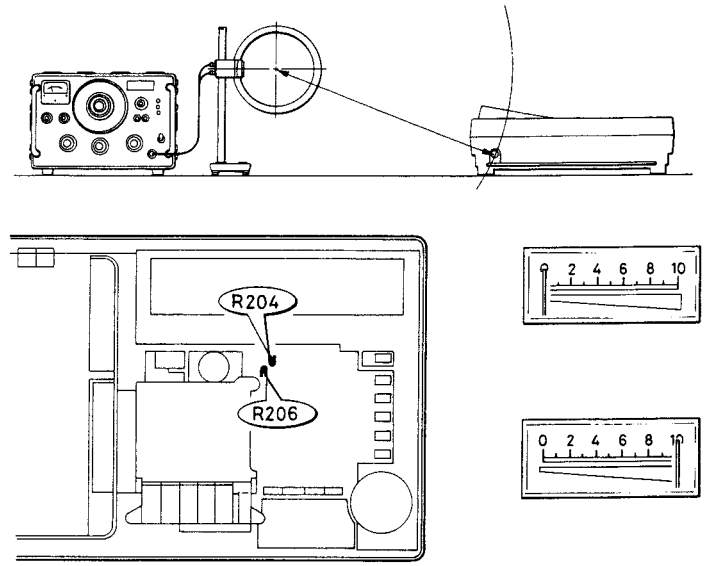


Fig. 26

MECHANISM ADJUSTMENT

PINCH ROLLER ADJUSTMENT

1. Set the unit into the PLAY mode.
2. Apply a tension gauge to the pinch roller. Read the gauge at the precise moment when the pinch roller separates from the capstan.
3. If the gauge reading falls more than 450 – 650g gr, no adjustment is necessary. If otherwise, make adjustment by changing the force of the spring coil. (See exploded view M31)

TORQUE ADJUSTMENT

1. Set the unit into the PLAY, FAST FORWARD or REWIND mode.
2. Measure the each torque with a torque gauge. They should be as following;

PLAY	30 - 60 gr/cm
FAST FORWARD	65 - 110 gr/cm
REWIND	60 - 110 gr/cm

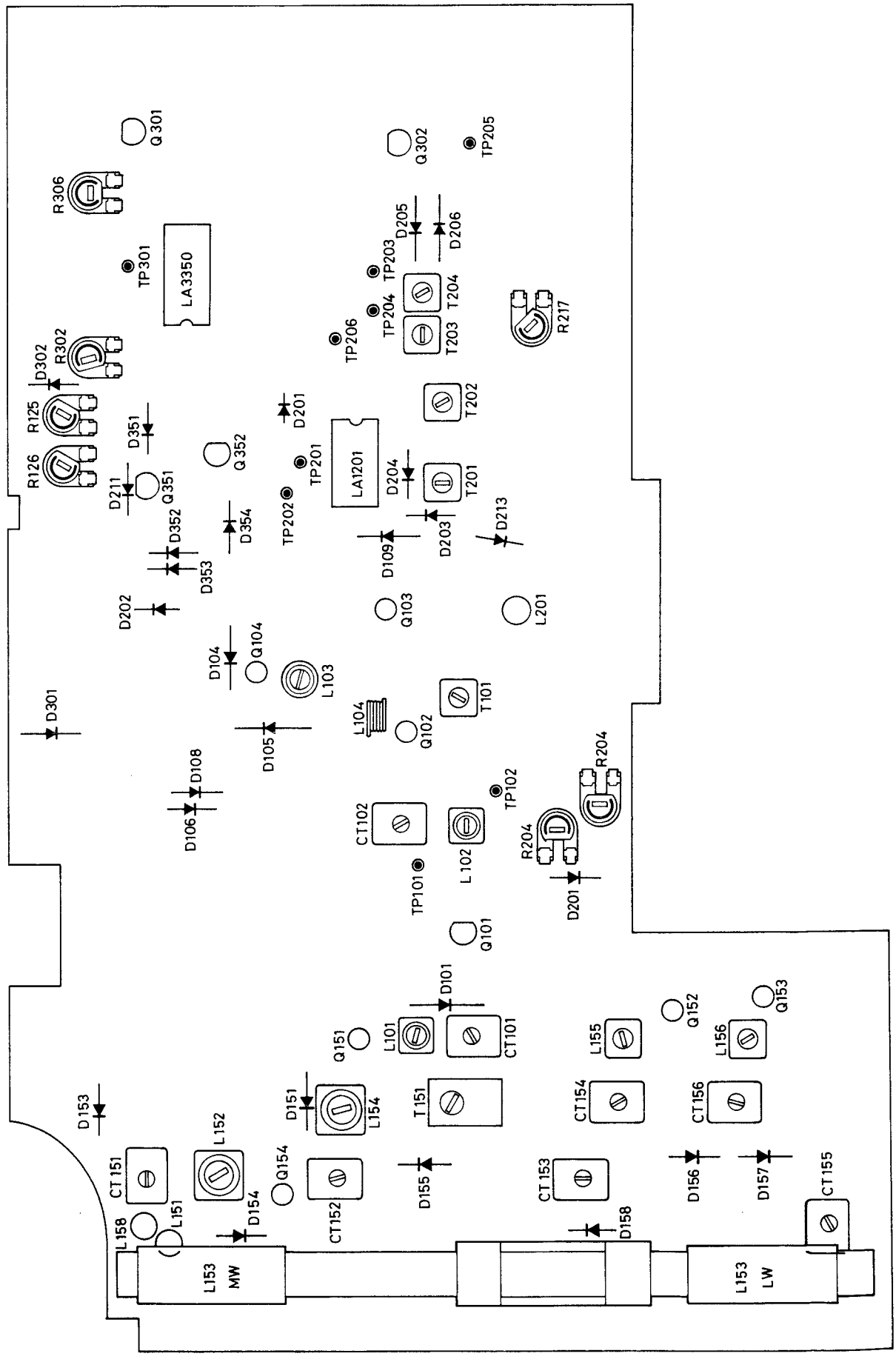
3. If the each toque fails to reach the standard value. Clean the drive belt, flywheel, motor pulley, take-up reel, take-up pulley, idler and rewind roller with a cotton swab soaked in alcohol.

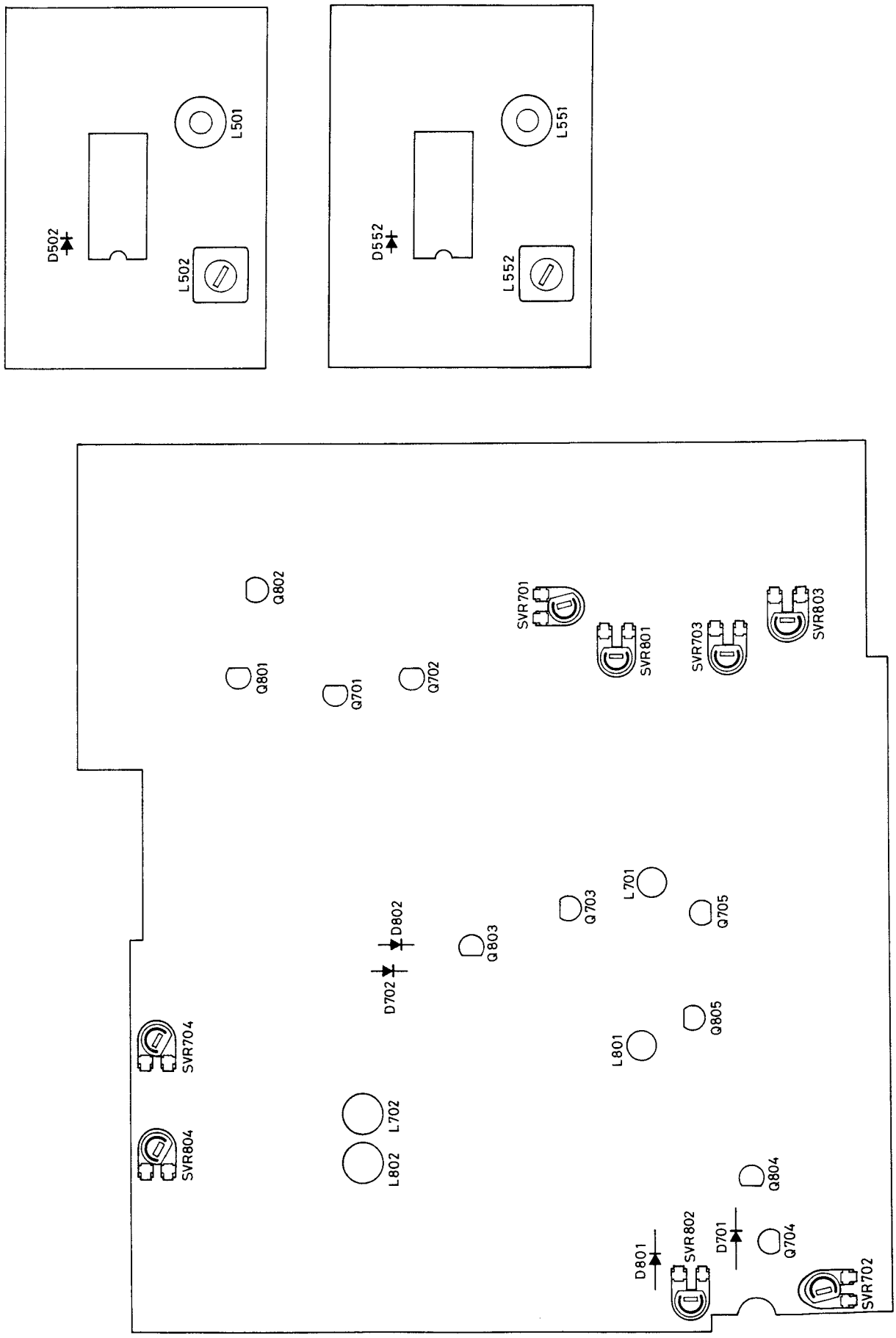
ADJUSTMENT OF AUTOMATIC SHUT-OFF MECHANISM

1. Set the unit into the PLAY mode.
2. Apply a tension gauge to the tip. Check to see that the shut-off mechanism functions between 40 – 55 grs.

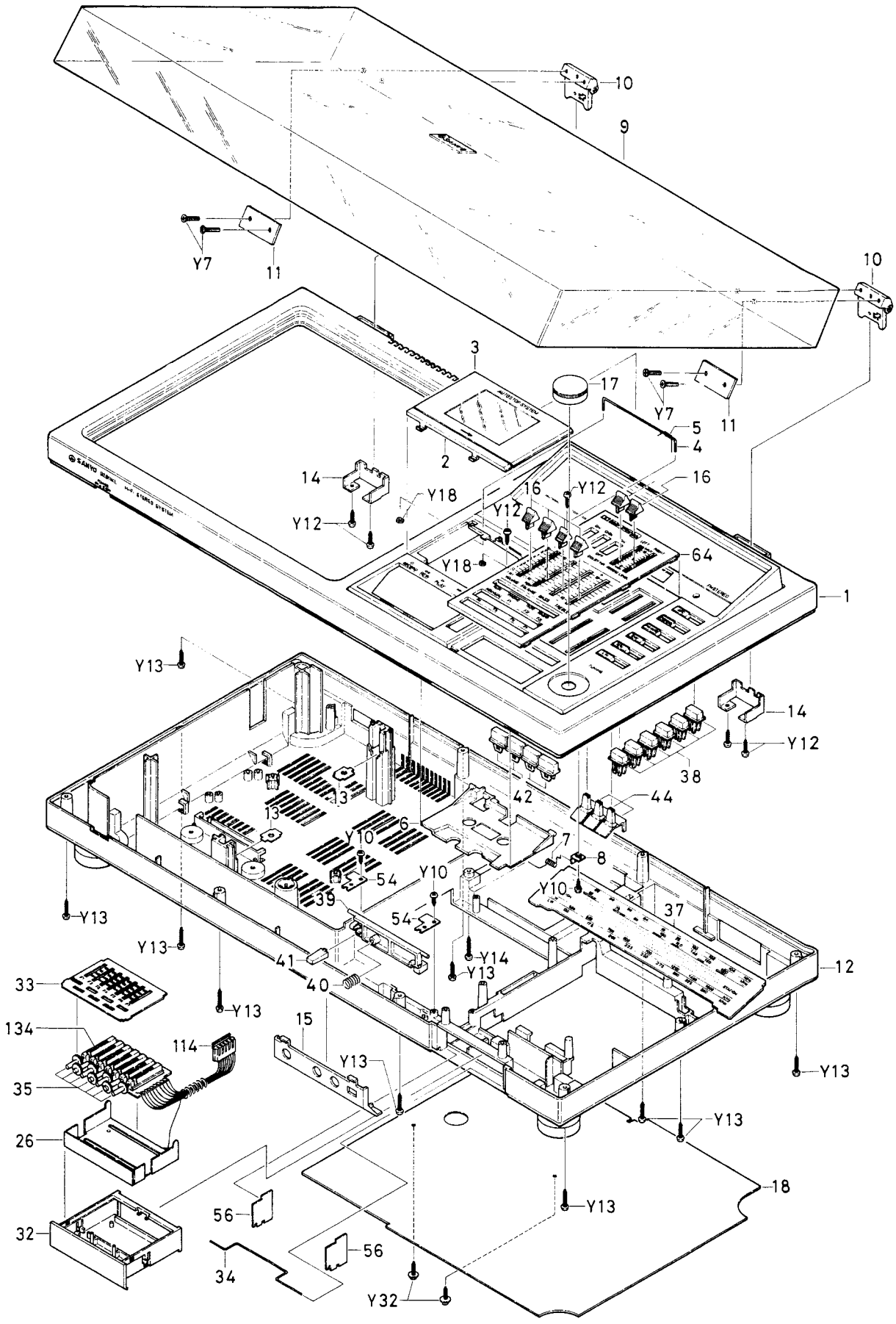
NOTE.
The tension gauge should be hold at right angles to the tip for correct measurement.

3. In case the tip pressure is outside the standard range or in case the shut-off mechanism does not work, make adjustment by changing the force of the spring coil (See exploded view M70)


Q301
R306
TP301
LA3350
D302
R302
R125
R126
D351
D211
Q351
D352
D353
D354
Q352
TP202
TP201
D201
LA1201
TP206
TP204
TP203
D205
D206
Q302
TP205
T203
T204
R217
T202
D204
T201
D203
D213
D109
Q103
L201
D202
D104
Q104
L103
D105
L104
Q102
T101
D301
D108
D106
CT102
L102
TP102
R204
TP101
D201
Q101
D101
L101
CT101
Q151
L155
Q152
L156
Q153
D153
D151
L154
T151
CT154
CT156
L152
CT151
Q154
CT152
D155
CT153
D156
D157
CT155
L158
L151
D154
D158
L153
MW
L153
LW


D502
L501
L502
D552
L551
L552
Q802
Q801
Q701
Q702
SVR701
SVR801
SVR703
SVR803
D802
D702
Q803
Q703
L701
Q705
SVR704
SVR804
L702
L802
L801
Q805
Q804
D801
SVR802
D701
Q704
SVR702

EXPLODED VIEW (CABINET)



PARTS LIST

Ref. No.	Part No.	Description	Q'ty
PACKING			
	141-6-132T-72300	Individual Carton	1
	141-6-144T-36300	Styrol Filler, Dust Cover	2
	141-6-144T-35200	Styrol Filler	1
	141-6-144T-35300	Styrol Filler	1
	141-6-455T-01101	Serial Number Plate	2
	141-6-411T-86701	Instruction Booklet	1
	141-6-479T-20800	Label, Dolby	1
	141-2-289T-01600	Adhesive Film, Sheet Mtg.	8
	141-6-421T-29600	Schematic Diagram	1
	141-6-472T-05604	Caution Label	1
	141-6-231T-35400	Inner Polyethylene Bag, Turn Table	1
	141-6-316T-73600	Pad, Turn Table	1
	141-2-316T-73900	Pad, Set	1
	141-6-231T-45900	Inner Polyethylene Bag, Dust Cover	1
	141-6-231T-10300	Inner Polyethylene Bag, Power Supply Cord	1
	141-6-231T-60900	Inner Polyethylene Cover, set	1
	141-6-231T-20300	Inner Polyethylene Bag, Instruction Booklet	1
	141-2-246T-13400	Sheet, Dust Cover	2
	141-2-246T-13500	Sheet, Dust Cover	2
	141-6-415T-14500	Notice, Swedish	1
	141-6-316T-77500	Pad Dust cover	1
	141-6-316T-77400	Pad, Right Side	1
	141-6-231T-10200	Inner Polyethylene Bag, Acce, cord	1
	141-6-316T-80200	Pad, Acce.	1
ACCESSORY			
	4-241T-10274	Cassette Tape C-12	1
	4-245T-00100	FM antenna Lead	1
	4-245T-00200	AM antenna Lead	1
CABINET			
1	141-9-121T-13401	Deck Panel Assembly	1
2	141-2-134T-08200	Head Cover	1
3	141-9-124T-15200	Top Lid Assembly	1
4	141-2-753T-13000	Shaft, Top Lid Fulcrum	1
5	141-2-855T-09700	Coil Spring, Top Lid Opener	1
6	141-9-243T-08700	Base Assembly, Cassette	1
7	141-2-855T-09800	Coil Spring, Cassette Base Up	1
8	141-2-858T-05100	Bracket, Coil Spring (7) Mtg.	1
9	141-9-194T-00600	Dust Cover Assembly	1
10	141-2-251T-06101	Hinge	2
11	141-2-351T-37300	Bracket Mounting, Hinge (10) Mtg.	2
12	141-9-125T-09601	Bottom Lid Assembly	1
13	141-2-411T-07700	Plate Nut, Turn Table Fixer	2
14	141-2-315T-12900	Reinforcement, Hinge (10) Mtg.	2
15	141-2-129T-01000	Side Lid, Microphone Socket Cover	1
16	141-2-164T-17500	Slide Knob	6
17	141-9-163T-36800	Rotary Knob Assembly, Tuning	1
18	141-2-125T-09700	Bottom Lid	1
19	141-2-421T-20100	Special Screw, Turn Table Fixer	2
CHASSIS			
20	141-2-363T-05200	Bracket Capacitor, Tuner P.C.B. Mtg.	1
21	141-2-581T-06400	Gear, Variable Capacitor Mtg.	1
22	141-2-581T-06500	Gear, Bracket Capacitor (20) Mtg.	1
23	141-2-753T-14300	Shaft, Gear (22) Mtg.	1
24	141-2-243T-08800	Base, Touch P.C.B. Mtg.	1
25	141-2-153T-28600	Escutcheon, Touch P.C.B. Mtg.	1
26	141-2-322T-35100	Shield Plate, Pre Set Volume Bracket (34) Mtg.	1
27	141-2-322T-36200	Shield Plate, Touch P.C.B. Mtg.	1
28	141-2-368T-10100	Head Sink, IC (STK-014) Mtg.	1
30	141-2-363T-05600	Bracket Capacitor, Electrolytic Capacitor (C953) Mtg.	2

Ref. No.	Part No.	Description	Q'ty
CHASSIS			
32	141-2-231T-00700	Bracket, Pre Set Box	1
33	141-2-146T-10700	Dial Scale, Bracket (32) Mtg.	1
34	141-2-753T-14400	Shaft, Bracket (32) Stopper	1
35	141-2-163T-37000	Rotary Knob, Pre Set Volume	7
36	141-2-161T-34100	Push Button, Power Switch	1
37	141-2-146T-10800	Dial Scale	1
38	141-2-161T-34200	Push Button, Band Select	6
39	141-2-741T-99600	Lever, Beat Cancel Select	1
40	141-2-851T-70800	Coil Spring, Beat Cancel Select	1
41	141-2-161T-34800	Push Button, Beat Cancel	1
42	141-2-161T-34300	Push Button, AUX/PHONO/ TAPE/RADIO	4
43	141-2-352T-23200	Spacer, FM Stereo Lamp (LED D305) Mtg.	1
44	141-2-162T-11400	Lever Knob, Dolby Select	3
45	141-2-464T-22500	Fixer, Power Supply Cord	1
46	141-2-445T-16200	Rubber Cushion, Power Supply Cord Fixer	1
47	141-2-361T-12100	Bracket Resistor, VR P.C.B. Mtg.	1
48	141-2-235T-37400	Bracket Mounting	1
49	141-0-566T-04200	Tuning Shaft Assembly	1
50	141-2-521T-01500	Flywheel	1
51	141-0-511T-03600	Pointer Assembly	1
52	141-2-858T-07800	Bracket, Mechanism Mtg.	1
53	141-2-852T-38700	Wire Spring, Bracket (52) Mtg.	1
54	141-2-310T-01800	Bracket, Lever (39) Mtg.	2
55	141-2-352T-23700	Spacer, Pointer (51) Mtg.	1
56	141-2-352T-23800	Spacer, Bottom Lid Mtg.	2
57	141-2-465T-14200	Plate Spring, Mechanism Mtg.	1
59	141-2-340T-00100	Rope 0.3ϕ x 1600mm	1
60	123-2-481R-00600	Coil Spring, Hook a Dial Drum	1
61	141-2-472T-01201	Lug, Socket (118) Lead Retainer	1
62	141-2-852T-38500	Wire Spring, Main AMP Earth	1
64	141-2-143T-68500	Marking Plate, Operation Panel	1
65	141-2-157T-24330	Inlay, Machanism Button	4
66	141-2-157T-24301	Inlay, Machanism Button, REC	1
67	141-2-421T-20900	Special Screw, Dial Pulley Mtg.	7
68	141-2-538T-05900	Drum	1
69	141-2-661T-16000	Pulley, Bracket (48) Mtg.	6
70	141-6-479T-22900	Label, "Before using please take off this screw"	2
ELECTRICAL PARTS			
101	4-234T-06271	Fuse 3.15AT, Power AMP	1
102	4-234T-01101	Fuse 315mAT, Tape Motor	1
103	4-234T-04471	Fuse 1AT, Player	1
104	4-234T-05300	Fuse 1.25AT, Pilot Lamp	1
105	4-234T-01771	Fuse 400mAT, Tuner	1
	4-159T-00200	Turn Table Complete	1
107	4-235T-38500	Socket Lead, Power P.C.B. to Player	1
108	4-236T-11400	Plug, Player Input	2
109	4-251T-56400	Power Transformer	1
110	4-243T-77173	Power Supply Cord	1
111	4-235T-39100	Socket 3P+4P+7P, P.C.B. Connect	1
112	4-235T-39300	Socket 4P, Player Input	1
113	4-235T-34600	Socket, Power P.C.B. Mtg.	2
114	4-235T-42100	Socket 10P, Preset P.C.B. to Touch P.C.B.	1
115		Light Emitting Diode SLP-114B, D305	1
116	141-2-382T-05300	Terminal	2
117		IC NE545B, Dolby P.C.B. Mtg.	2
118	141-2-464T-08700	Fixer, Heat Sink Lead Fixer	6
119	4-231T-53600	Switch, Voltage Selector	1

PARTS LIST

Ref. No.	Part No.	Description	Q'ty
EQUALIZER PCB ASSY			
120	140-9-230T-06600	Printed Circuit Board Assembly, Equalizer	1
	4-235T-32900	Socket DIN	1
	4-236T-10271	Plug, Phono Input 4 pin	1
	4-236T-10275	Plug, Phono AUX out 8 pin	1
IC751, 851		ICμPC1024H or TA7129P	2
Q754, 854		Transistor 2SC1327 or 2SC1571	2
		CAPACITORS	
C753, 853		Ceramic 68pF ±10% 50WV	2
C757, 857		Ceramic 220pF ±10% 50WV	2
C756, 856		Mylar 0.0047μF, ±5% 50WV	2
C755, 855		Mylar 0.018μF ±5% 50WV	2
C776, 876		Mylar 0.033μF ±20% 50WV	2
C751, 851		Electrolytic 3.3μF 25WV	2
C754, 777, 854, 877		Electrolytic 4.7μF 25WV	4
C752, 852		Electrolytic 100μF 6.3WV	2
C988		Electrolytic 100μF 35WV	1
		RESISTORS	
	All resistors are Corbon P type ±10% 1/4W unless otherwise noted.		
R968		220 ohm	1
R754, 854		Carbon 270 ohm ±5% 1/4W	2
R751, 784, 851, 884		1k ohm	4
R756, 856		Carbon 8.2k ohm ±5% 1/4W	2
R758, 858		Carbon 15k ohm ±5% 1/4W	2
R787, 887		22k ohm	2
R752, 753 852, 853		100k ohm	4
R757, 857		Carbon 120k ohm ±5% 1/4W	2
R789, 889		270k ohm	2
R759, 785, 859, 885		470k ohm	4
R755, 855		820k ohm	2
R785, 885		1M ohm	2
R786, 886		1.2M ohm	2
VOLUME PCB ASSY			
121	141-9-230T-23900	Printed Circuit Board Assembly, VOLUME	1
VR751, 851	4-222T-45071	Variable Resistor 50k (A), Record Level	2
VR951	4-222T-51900	Variabke Resistor 100k (B), Main Volume	1
VR952, 953	4-222T-52000	Variable Resistor 100k (B) with Click point, Base & Treble	2
VR954	4-222T-42972	Variable Resistor 100k (W), Balance	1
S6	4-231T-47600	Switch, Tape Select	1
S7	4-231T-50000	Switch, Loudness	1
S8	4-231T-50071	Switch, Dolby	1
	4-236T-10289	Plug, 22 pin	1
	4-236T-10200	Plug 3 pin	1
Q752, 753, 852, 853		Transistor 2SC1327 or 2SC1571	4
		CAPACITORS	
C767, 867		Ceramic 20pF ±10% 50WV	2
C775, 875		Ceramic 330pF ±5% 50WV	2
C771, 871		Mylar 0.001μF ±5% 50WV	2
C769, 770, 869, 870		Mylar 0.022μF ±5% 50WV	4
C774, 874		Mylar 0.033μF ±5% 50WV	2
C765, 773 865, 873		Electrolytic 0.47μF 16WV	4
C768, 868		Electrolytic 4.7μF 25WV	2
C772, 872		Electrolytic 10μF 25WV	2
C766, 866		Electrolytic 100μF 6.3WV	2
C987		Electrolytic 100μF 25WV	1

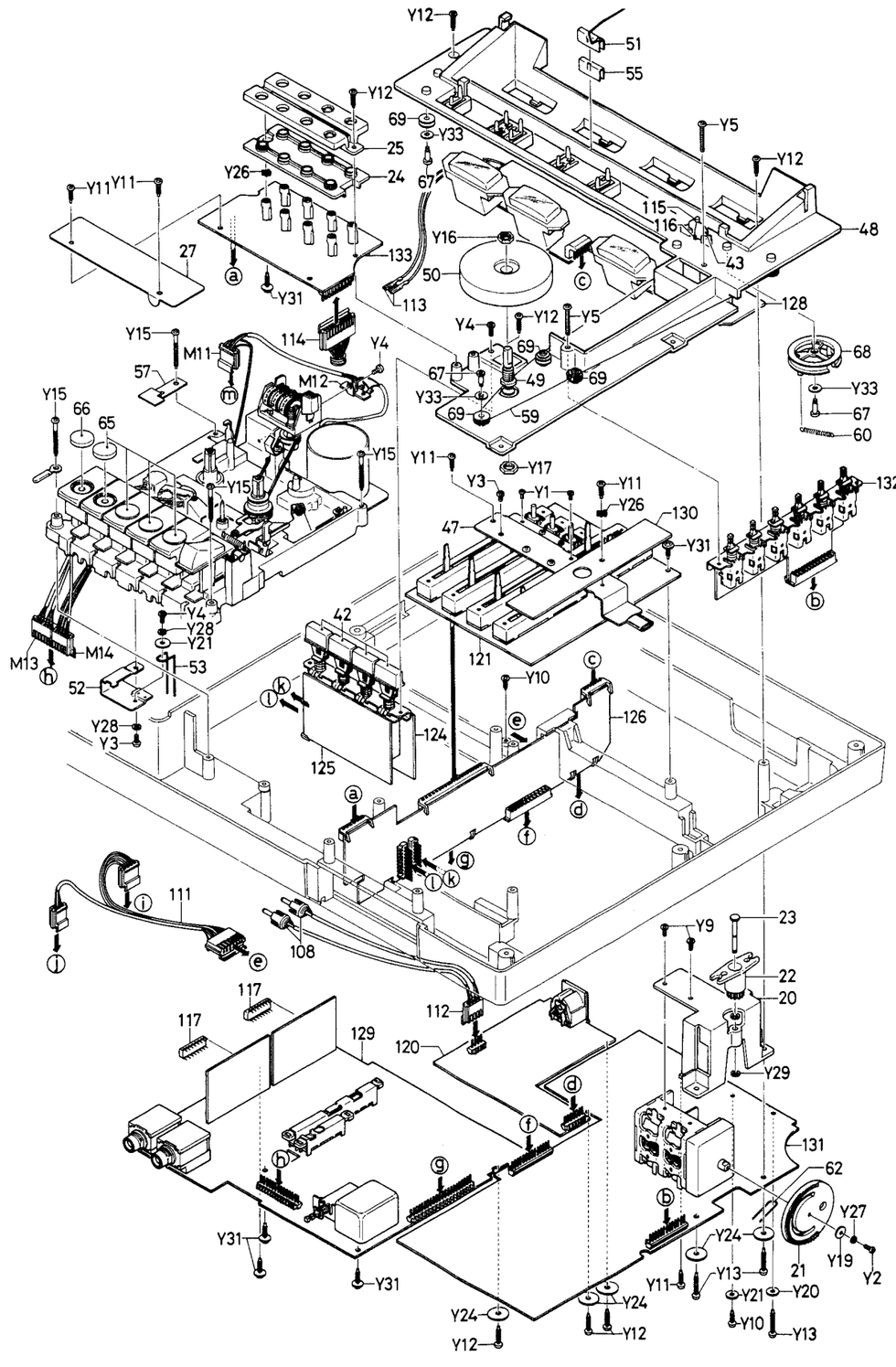
Ref. No.	Part No.	Description	Q'ty
VOLUME PCB ASSY			
		RESISTORS	
	All resistors are Carbon P type ±10% 1/4W unless otherwise noted.		
R964		100 ohm	1
R771, 871		680 ohm	2
R781, 881		1k ohm	2
R775, 777, 875, 877		2.2k ohm	4
R772, 872		4.7k ohm	2
R768, 868		5.6k ohm	2
R769, 778 869, 878		6.8k ohm	4
R783, 883		12k ohm	2
R773, 774, 776, 873, 874, 876		18k ohm	6
R779, 879		680k ohm	2
R770, 870		1M ohm	2
R780, 880		1.8M ohm	2
POWER AMP PCB ASSY			
122	140-9-230T-00100	Printed Circuit Board Assembly Power AMP	1
	4-235T-36700	Socket, Headphone	1
	4-235T-31500	Socket, Speaker	2
	141-2-381T-01800	Bracket, Fuse Holder	10
	4-236T-10271	Plug, 4 pin	2
	4-236T-10200	Plug, 3 pin Power AMP input	1
	4-237T-00100	Terminal	28
P951	4-209T-01100	Positive Characteristic Thermistor PTH487A01 or BG471TS	1
C986	4-223T-04600	Electrolytic 4.7μF 35WV Non Polar	1
IC951	4-206T-00600	IC STK-014	1
Q951		Transistor 2SC1175	1
Q952		Transistor 2SD438	1
Q953		Transistor 2SK30A	1
Q954		Transistor 2SD545	1
Q955		Transistor 2SD325	1
Q751,851		Transistor 2SC536	2
Q960		Transistor 2SC536 or 2SC828	1
D951, 952		Diode DS442 or 1S2473	2
D953		Diode WZ061	1
D954		Diode WZ130	1
D955		Diode WZ177	1
D956, 957 958, 959		Diode DS150K	4
D960, 962		Diode DS17	2
D961, 963		Diode DS18	2
		CAPACITORS	
C760, 860		Ceramic 470pF ±5% 50WV	2
C952		Ceramic 0.001μF +80—20% 50WV	1
C761, 861 962, 963, 964, 965, 966, 967, 968, 969,		Ceramic 0.01μF +80—20% 50WV	10
C954, 955, 956, 957 960		Ceramic 0.01μF +80—20% 500WV	5
C961		Ceramic 0.047μF +80% —20% 50WV	1
C778, 878		Mylar 0.022μF ±20% 50WV	2
C779, 879		Mlylar 0.047μF ±20% 50WV	2
C759, 859		Electrolytic 0.47μF 16WV	2
C758,858		Electrolytic 10μF 50WV	2
C983, 990		Electrolytic 100μF 16WV	2
C763, 863 982		Electrolytic 100μF 25WV	3
C951		Electrolytic 100μF 35WV	1
C762, 862		Electrolytic 220μF 16WV	2
C989		Electrolytic 220μF 50WV	1
C980		Electrolytic 1000μF 25WV	1
C764, 864		Electrolytic 1000μF 35WV	2
C981		Electrolytic 2200μF 10WV	1
C958		Electrolytic 4700μF 63WV	1

PARTS LIST

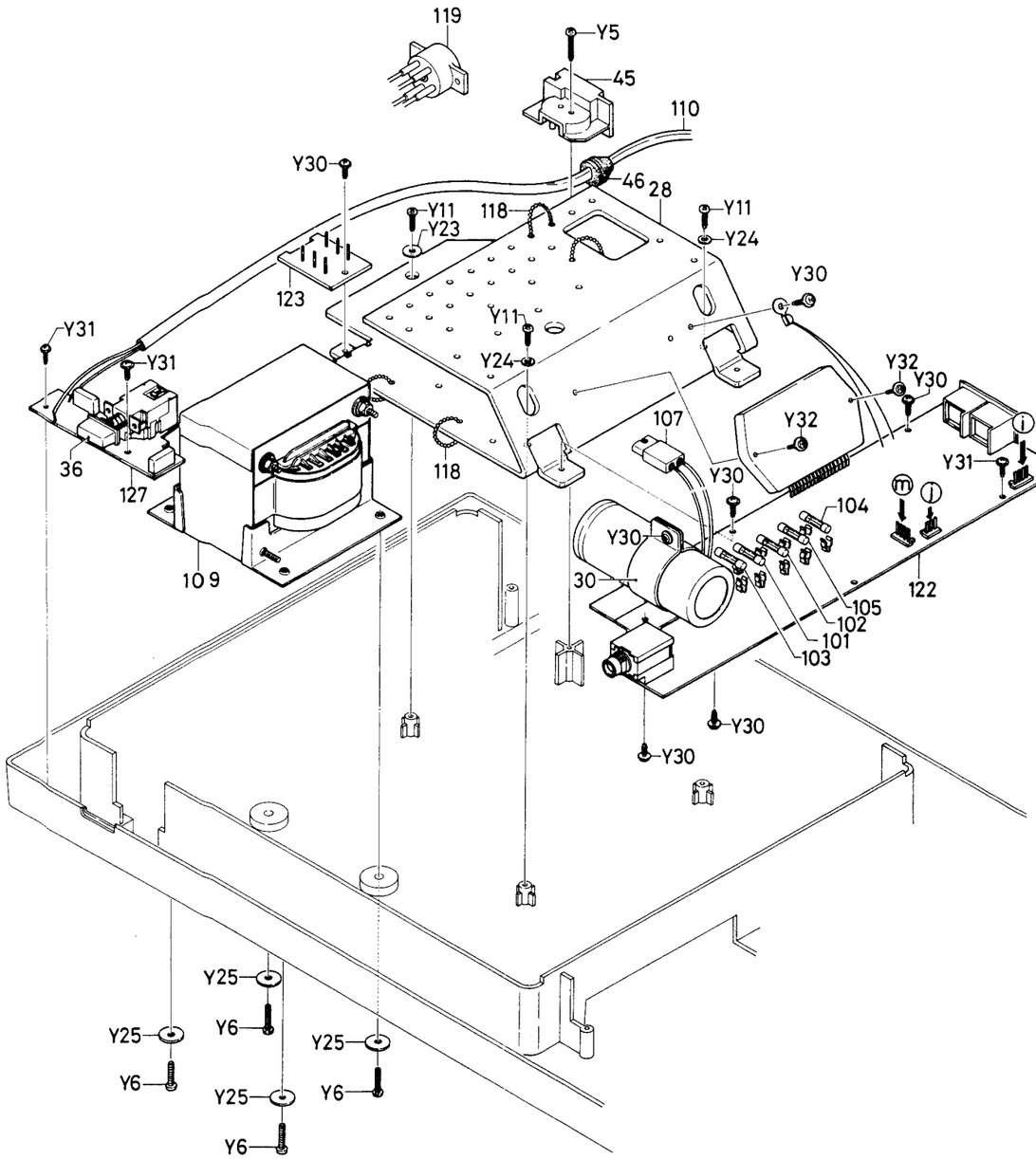
Ref. No.	Part No.	Description	Q'ty
POWER AMP PCB ASSY			
		RESISTORS	
		All resistors are Carbon P type ±10% 1/4W unless otherwise noted.	
R958		Solid 5.6 ohm ±10% 1/2W	1
R962		Metal Oxide Film 5.6 ohm ±10% 2W	1
R960		Metal Oxide Film 18 ohm ±10% 2W	1
R951		Solid 56 ohm ±10% 1/2W	1
R966		Solid 100 ohm ±10% 1/2W	1
R764, 864		120 ohm	2
R767, 867		Metal Oxide Film 150 ohm ±10% 2W	2
R952		Metal Oxide Film 220 ohm ±10% 2W	1
R956, 957		330 ohm	2
R961		560 ohm	1
R766, 866, 959		1K ohm	3
R955		8.2k ohm	1
R765, 865, 967		10k ohm	3
R954		22k ohm	1
R965, 971		56k ohm	2
R953		68k ohm	1
R761, 763, 861, 863		220k ohm	4
R762, 862		390k ohm	2
R970		560k ohm	1
R790, 890		Solid 4.7ohm ±10% 1/2W	2
AMP CONNECTOR PCB ASSY			
123	140-9-230T-00200	Printed Circuit Board Assembly, Power AMP Connector	1
FUNCTION PCB ASSY			
124	140-9-230T-00300	Printed Circuit Board Assembly, Function	1
	4-235T-37076	Socket 9 pin	1
FUNCTION PCB ASSY			
125	140-9-230T-18700	Printed Circuit Board Assembly, Function	1
	4-231T-61100	Switch, Input Select	1
	4-235T-37076	Socket, 9 pin	1
R701, 801		Carbon 47k ohm ±10% 1/4W	2
CONNECTOR PCB ASSY			
126	140-9-230T-00500	Printed Circuit Board Assembly, Connector	1
	4-235T-38779	Socket, 22 pin	2
	4-235T-38772	Socket, 15 pin	1
	4-235T-38794	Socket, 7 pin unlock	1
	4-235T-37075	Socket, 8 pin	1
	4-235T-37074	Socket, 7 pin lock	1
	4-236T-10276	Plug, 9 pin	2
	4-236T-10274	Plug, 7 pin	1
POWER SUPPLY PCB ASSY			
127	140-9-230T-22600	Printed Circuit Board Assembly, Power Supply	1
S14	4-231T-60900	Switch, Power	1
	4-237T-00100	Terminal, Wrapper Pin	4
C984, 985	4-223T-04700	Capacitor 0.047μF, Noise Cancelar	2

Ref. No.	Part No.	Description	Q'ty
METER PCB ASSY			
128	140-9-230T-22700	Printed Circuit Board Assembly, Meter	1
	4-511T-07800	Meter, VU	2
	4-511T-07871	Meter, Tuning	1
	4-236T-11174	Plug, 7 pin	1
	4-612T-07300	Pilot Lamp 6.3V 300mA	4
	4-237T-00100	Terminal, Wrapper Pin	2
MAIN AMP PCB ASSY			
129	140-9-230T-00500	Printed Circuit Board Assembly, Main AMP	1
	4-235T-36600	Socket, Microphone	2
S3	4-231T-60800	Switch, Beat Cancel	1
S2	4-231T-39871	Switch, Record/Playback	1
S1	4-231T-45672	Switch, Record/Playback	1
	4-236T-10271	Plug 4 pin, to Mechanism connect	1
	4-236T-10289	Plug 22 pin, to Connector P.C.B.	1
	4-236T-10275	Plug 8 pin, to R/P Head & E Head	1
SVR701,801	4-222T-39577	Semi Fixed Resistor 50k (B)	2
SVR702,802	4-222T-39574	Semi Fixed Resistor 5k (B)	2
SVR703,803	4-222T-39576	Semi Fixed Resistor 20k (B)	2
SVR704,804	4-222T-39578	Semi Fixed Resistor 100k (B)	2
L701, 801	4-253T-01019	High Frequency Choke Coil 4.7mH	2
L702, 802	4-252T-05200	Choke Coil 10mH	2
Q701, 702 801, 802		Transistor 2SC1327S or 2SC1571G	4
Q703, 704, 705, 803, 804, 805		Transistor 2SC536G AUD	6
	4-258T-13102	OSC Pack	1
D701, 801		Diode 1S188AM	2
D702, 802		Diode DS442 or 1S2473	2
		CAPACITORS	
C722, 822		Ceramic 35pF ±1pF 50WV	2
C718, 818		Ceramic 100pF ±10% 50WV	2
C717, 817		Ceramic 150pF ±5% 50WV	2
C704, 724, 804, 824		Ceramic 220pF ±10% 50WV	4
C716, 816		Ceramic 470pF ±5% 50WV	2
C702, 802		Ceramic 680pF ±10% 50WV	2
C715, 815		Ceramic 0.001μF ±20% 50WV	2
C723, 823		Ceramic 560pF ±10% 50WV	2
C667		Mylar 0.0033μF ±5% 50WV	1
C709, 809		Mylar 0.0039μF ±10% 50WV	2
C705, 805		Mylar 0.0068μF ±5% 50WV	2
C714, 814		Mylar 0.027μF ±10% 50WV	2
C660		Mylar 0.1μF ±20% 50WV	1
C711, 811		Electrolytic 0.47μF 10WV	2
C712, 713 719, 812 813, 819 903		Electrolytic 1μF 25WV	7
C707, 807		Electrolytic 47μF 6.3WV	2
C703, 706, 708, 803, 806, 808		Electrolytic 4.7μF 25WV	6
C904		Electrolytic 47μF 16WV	1
C905		Electrolytic 100μF 16WV	1
C906		Electrolytic 220μF 16WV	1
		RESISTORS	
		All resistors are Carbon P type ±10% 1/4W unless otherwise noted.	
R702, 802		10 ohm	2
R689		Solid 56 ohm ±10% 1/2W	1
R720, 820		150 ohm	2
R688		Solid 220 ohm ±10% 1/2W	1
R705, 805		180 ohm	2
R721, 821		220 ohm	2
R710, 810		820 ohm	

EXPLODED VIEW (CHASSIS)



EXPLODED VIEW (CHASSIS)



PARTS LIST

Ref. No.	Part No.	Description	Q'ty
MAIN AMP PCB ASSY			
R722,732, 822,832, 903		1k ohm	5
R729,829		1.5k ohm	2
R716,816		1.8k ohm	2
R701		3.3k ohm	1
R725,825		4.7k ohm	2
R718,818		5.6k ohm	2
R709,712, 724,809, 812,824		6.8k ohm	6
R715,815		8.2k ohm	2
R704,731 804,831		10k ohm	4
R711,811		Carbon 15k ohm ±5% 1/4W	2
R728,828		18k ohm	2
R727,827 902		22k ohm	3
R719,730, 819,830		47k ohm	4
R706,806		100k ohm	2
R734,834		180k ohm	2
R708,726 808,826		220k ohm	4
R713,723 813,823		470k ohm	4
R901		680k ohm	1
(DOLBY PCB SELECTION)			
	4-235T-32100 or 4-235T-32400	Socket, IC	2
	4-236T-09600	Plug	2
	141-2-322T-33300	Shield Plate, L502 & L552 Mgt.	2
D502,552		Diode 1S188AM	2
L501,551	4-252T-05600	Low Frequency Choke Coil	2
L502,552	4-252T-02800	Low Frequency Choke Coil 23mH Variable	2
		CAPACITORS	
C515,565		Ceramic 150pF ±5% 50WV	2
C518,568		Mylar 0.0022μF ±20% 50WV	2
C517,567		Mylar 0.0027μF ±20% 50WV	2
C516,566		Mylar 0.0039μF ±20% 50WV	2
C511,561		Mylar 0.0047μF ±5% 50WV	2
C514,564		Mylar 0.0056μF ±5% 50WV	2
C513,563		Mylar 0.027μF ±5% 50WV	2
C506,566		Mylar 0.047μF ±5% 50WV	2
C503,509 553,559		Electrolytic 0.1μF 10WV	4
C510,560		Electrolytic 0.33μF 10WV	2
C504,505 554,555		Electrolytic 1μF 25WV	4
C507,508, 512,557, 558,562		Electrolytic 10μF 16WV	6
C502,552		Electrolytic 47μF 16WV	2
C501,551		Eelctrolytic 220μF 10WV	2
		RESISTORS	
	All resistors are Carbon P type ±10% 1/4W unless otherwise noted.		
R502,508, 552,558		180 ohm	4
R501,511, 551,561		1k ohm	4
R506,556		Carbon 3.3k ohm ±5% 1/4W	2
R507,557		Carbon 47k ohm ±5% 1/4W	2
R509,559		100k ohm	2
R505,555		Carbon 150k ohm ±5% 1/4W	2
R504,554		270k ohm	2
R503,553		Carbon 680k ohm ±5% 1/4W	2
SUB VOLUME PCB ASSY			
130	141-9-230T-19800	Printed Circuit Board Assembly, Sub Volume	1
D381,382 383,384		Diode 1S2473	4

Ref. No.	Part No.	Description	Q'ty
SUB VOLUME PCB ASSY			
D385		Diode 1S2692A	1
C381,382		Mylar 0.022μF ±10% 50WV	2
R381,382		Carbon 15k ohm ±5% 1/4W	
TUNER PCB ASSY			
131	140-9-230T-03600	Printed Circuit Board Assembly, Tuner	1
	141-2-322T-36000	Shield Plate	1
L101	4-257T-23630	Antenna Coil	1
L102	4-265T-04230	V.H.F. Coil	1
L103	4-265T-03530	V.H.F. Coil	1
L104	4-253R-11160	R.F. choke coil 1μH ±10%	1
L151	4-253R-12900	R.F. Choke Coil 27μH	1
L152	4-257T-20430	Antenna Coil	1
L153	4-257T-20301	Antenna Coil Assembly, LW & MW	1
L154	4-258T-15030	OSC Coil	1
L155	4-258T-14930	OSC Coil	1
L156	4-258T-14830	OSC Coil	1
L158	4-253R-11160	R.F. Choke Coil 1μH ±10%	1
L201	4-255R-10700	Choke Coil 15μH	1
CF101,102	4-256T-80400 / 4-256T-80471 / 4-256T-80472 / 4-256T-80473 / 4-256T-80474	I.F Filter 10.7MHz Red, Blue, Orange, Balck, White, *Pair use	2
T101	4-256R-20830	I.F.T. 10.7MHz	1
T201	4-256R-15830	I.F.T. 10.7MHz	1
T202	4-256R-00230	I.F.T 455KHz	1
T203	4-256R-08330	I.F.T 10.7MHz	1
T204	4-256R-08430	I.F.T 10.7MHz	1
T151	4-256T-07871	I.F Filter 470KHz	1
		Pan Head Screw with Washer 3 x 6 mm, VC Mtg.	2
	141-2-323T-00100	Shield Box	1
	141-2-322T-38500	Shield Plate	1
CO102	123-2-471R-10400	Core	1
CO101	123-2-471R-10600	Core	1
CT101,102	4-224R-11671	Trimmer 8pF	2
CT151, 152, 153, 154	4-224R-11671	Trimmer 8pF	4
CT155,156	4-224R-07300	Trimmer 30pF	2
CV151,152	4-224T-07700	Variable Capacitor, 426pFx2 & 100k	1
VR128			
R206	4-222T-39572	Semi Fixed Resistor 1k(B)	1
R204,306	4-222T-39573	Semi Fixed Resistor 2k (B)	2
R125,126, 302	4-222T-39574	Semi Fixed Resistor 5k (B)	3
R217	4-222T-39577	Semi Fixed Resistor 50k (B)	1
	4-236T-10282	Plug 15 pin	1
RL151,152, 153	4-232T-04500	Relay	3
TP101,102, 201,202 203,204, 205,206, 301	4-237T-00100	Terminal, Wrapper Pin	9
	4-236T-10280	Plug 13 pin	1
	4-235T-37100	Socket FM DIN	1
	4-235T-37200	Socket AM DIN	1
Q101		FET 2SK61Y	1
Q102		Transistor 2SC535E	1
Q151,152, 103		Transistor 2SC930E	3
Q104,153, 154		Transistor 2SC930D	3
Q301,302		Transistor 2SC536E	2
Q351		Transistor 2SB598E	1
Q352		Transistor 2SC536F	1
IC201		LA1201B1	1
IC301		LA3350A	1
D101,103, 105		Diode 1SV53A	3
D104		Diode 1S553	1

PARTS LIST

Ref. No.	Part No.	Description	Q'ty
TUNER PCB ASSY			
D102,109 151,155, 158,203, 204,213, 301,302, 351,352, 353,107		Diode 1S2473	14
D106		Diode 1S2472	1
D108,153, 156,157 201,211, 212,354		Diode 1S2473 or DS442	8
D154		Diode WZ-061	1
D202		Diode 1S2692A	1
D205,206		Diode 1S188FM	2
		CAPACITORS	
C128		Ceramic 2pF ±0.25pF 50WV	1
C112,125		Ceramic 5pF ±0.25pF 50WV	2
C132		Ceramic 10pF ±5% 50WV N1500	1
C134		Ceramic 8pF ±0.5pF 50WV	1
C150,152, 153		Ceramic 10pF ±5% 50WV	3
C157		Ceramic 10pF ±5% 50WV N3300	1
C131,173		Ceramic 15pF ±5% 50WV	2
C133,100		Ceramic 15pF ±10% 50WV	2
C171		Ceramic 16pF ±5% 50WV N470	1
C177		Ceramic 20pF ±5% 50WV	1
C113		Ceramic 3pF ±0.25pF50WV	1
C163		Ceramic 30pF ±5% 50WV	1
C207,170		Ceramic 30pF ±10% 50WV	2
C102,211, 222,223, 224,231		Ceramic 100pF ±10% 50WV	6
C115		Ceramic 470pF ±20% 50WV	1
C104,114		Ceramic 0.001μF +80 −20% 50WV	2
C103,111, 126		Ceramic 0.0022μF ±10% 50WV	3
C105,106, 116,118, 136,213		Ceramic 0.01μF +80 −20% 50WV	6
C117,121, 122, 137, 141, 142, 201, 202, 203, 204, 212, 214, 217, 232		Ceramic 0.022μF +80 −20% 50WV	17
186, 110, 187			
C168		Styrol 440pF ±5% 125WV	1
C184		Styrol 100pF ±5% 125WV	1
C183		Styrol 250pF ±5% 125WV	1
C301		Styrol 1500pF ±10% 50WV	1
C161		Styrol 4700pF ±5% 125WV	1
C123,155, 209		Mylar 0.001μF ±20% 50WV	3
C311,313		Mylar 0.001μF ±10% 50WV	2
C166		Mylar 0.0033μF ±20% 50WV	1
C159		Mylar 0.0047μF ±20% 50WV	1
C100,151, 156,160, 175,176, 167,215		Mylar 0.01μF ±20% 50WV	8
C162,205, 208		Mylar 0.022μF ±20% 50WV	3
C185,351		Mylar 0.033μF ±20% 50WV	2
C216		Electrolytic 0.1μF +40 −20% 10wV	1
C304		Electrolytic 0.22μF +40 −20% 10WV	1
C305		Electrolytic 0.33μF +40 −20% 10WV	1
C303		Electrolytic 0.47μF +40 −20% 10WV	1

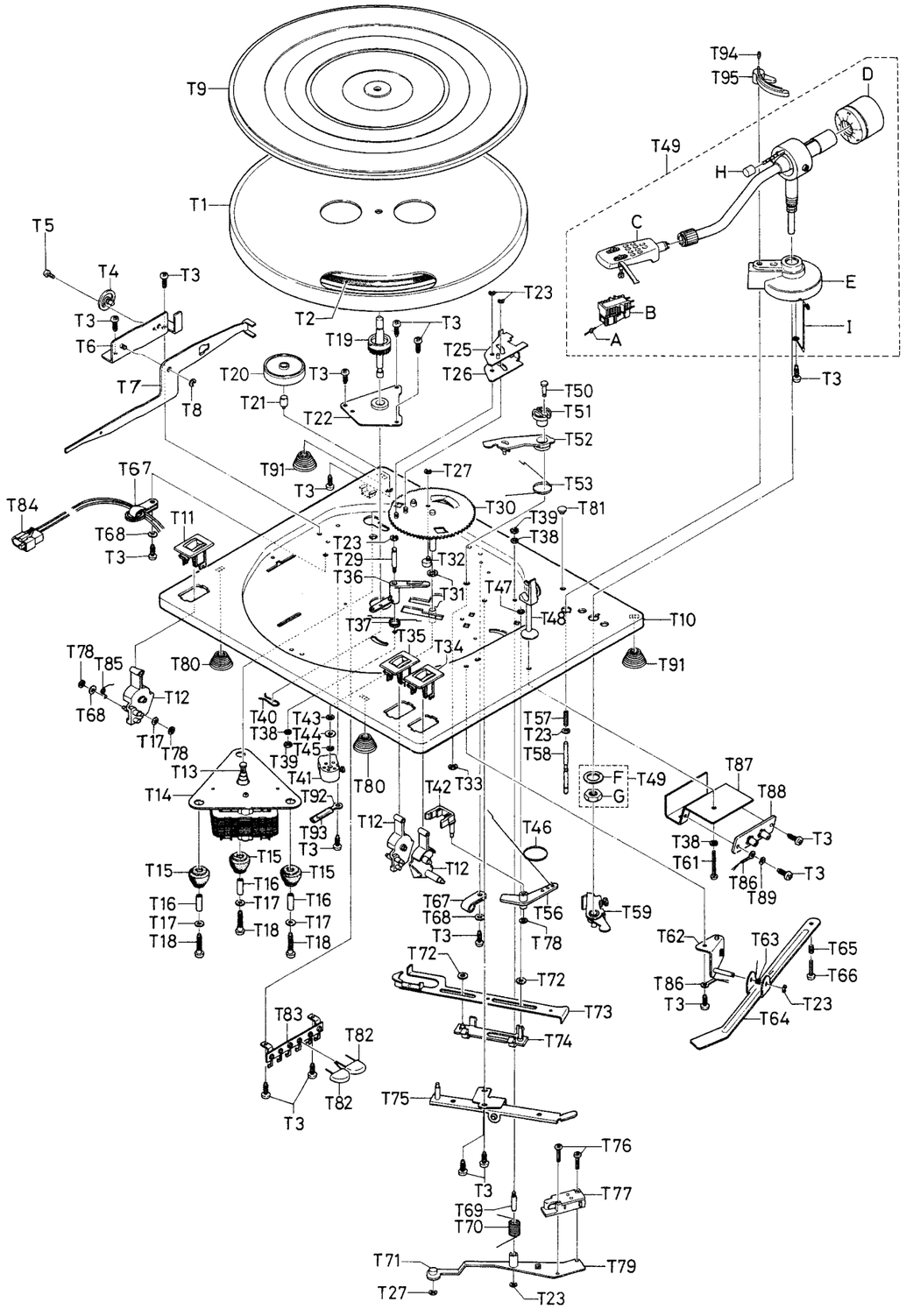
Ref. No.	Part No.	Description	Q'ty
TUNER PCB ASSY			
C138		Electrolytic 1μF +40 −20% 16WV	1
C143		Electrolytic 1μF +40 −20% 25WV	1
C302		Electrolytic 1μF +150 −10% 25WV	1
C353		Electrolytic 2.2μF +40 −20% 16WV	1
C221		Electrolytic 4.7μF +150 −10% 16WV	1
C218		Electrolytic 10μF +100 −10% 10WV	1
C309,312, 314,315, 316,317, 318,352		Electrolytic 10μF +100 −10% 16WV	8
C206		Electrolytic 100μF +100 −10% 10WV	1
C308,319		Electrolytic 100μF +100 −10% 16WV	2
C210		Electrolytic 220μF +100 −10% 6.3WV	1
C330		Electrolytic 470μF +100 −10% 6.3WV	1
		RESISTORS	
		All resistors are Carbon P type ±5% 1/4W unless otherwise noted.	
R155		10 ohm	1
R350		Solid 10 ohm ±10% 1/2W	1
R183		22 ohm	1
R181		33 ohm	1
R172		39 ohm	1
R104,105, 111,115, 163,312, 117		100 ohm	7
R205		150 ohm	1
R164,211, 103		270 ohm	3
R114,116, 160,113		330 ohm	4
R315,322		390 ohm	2
R103		470 ohm	1
R124,208 352		560 ohm	3
R152		680 ohm	1
R132,157, 172,182, 212,224, 225,307, 323,355, 100		1k ohm	11
R231		Carbon 1k ohm ±10% 1/4W	1
R127		1.5k ohm	1
R161		1.8k ohm	1
R119,218, 108		2.2k ohm	3
R156		2.7k ohm	1
R171,178, 184,203, 304,326 357		3.3k ohm	7
R165,313, 317		3.9k ohm	3
R134,308, 311,313		4.7k ohm	4
R136,174 177,202, 214,215, 222,226, 227,361		5.6k ohm	10
R154,159 170		6.8k ohm	3
R303		8.2k ohm	1
R135,216, 301,305 358		10k ohm	5

PARTS LIST

Ref. No.	Part No.	Description	Q'ty
TUNER PCB ASSY			
R153,158, 223,356, 230		12k ohm	5
R109		Carbon 15k ohm ±2% 1/4W	1
R131,316, 321,364		15k ohm	4
R166		27k ohm	1
R162,167, 175,351, 354		33k ohm	5
R362,363		56k ohm	2
R101,102, 106,129, 122,133, 325,327, 328,353		100k ohm	10
R314,318		680k ohm	2
R123		820k ohm	1
R112,110, 121		1M ohm	3
R107		1.8M ohm	1
BAND SELECTOR PCB ASSY			
132	140-9-230T-03800	Printed Circuit Board Assembly, Band Select	1
	4-235T-38700	Socket 13 pin	1
	4-231T-61200	Push Switch	1
R251,252, 253,254		Carbon Resistor 100k ohm ±5% 1/4W	4
D251		Diode 1S2473	1
FM TOUCH PCB ASSY			
133	140-9-230T-03900	Printed Circuit Baord Assembly, FM Touch	1
	4-236T-10274	Plug, 7 pin	1
	4-236T-10277	Plug, 10 pin	1
IC401		IC SAS6600	1
IC402		IC SAS6700	1
D401,402, 403,404, 405,406, 407,408		Light Emitting Diode SLP-114B	8
D418		Diode 1S2473	1
	141-2-153T-28700	Escutcheon	8
		CAPACITORS	
C401,402 403,404, 405,406, 407,408		Ceramic 0.001μF +80 − 20% 50WV	8
C421,422, 423,424, 425,426, 427,428		Ceramic 0.001μF +80 −20% 50WV	8
C412		Electrolytic 10μF +100 −10% 25WV	1
C411		Electrolytic 100μF +100 −10% 16WV	1
		RESISTORS	
		All resistors are Carbon P type ±5% 1/8W unless otherwise noted.	
R453,454		Solid 10 ohm ±10% 1/2W	2
R451		1k ohm	1
R421,422, 423,424, 425,426, 427,428		3.3k ohm	8
R452,456		12k ohm	2
R457		27K ohm	1
R455		33k ohm	1
R461,462, 463,464, 465,466, 467,468		3.9M ohm	8

Ref. No	Part No.	Description	Q'ty
FM TOUCH PCB ASSY			
R401,402, 403,404, 405,406, 407,408		5.1M ohm	8
FM PRESET PCB ASSY			
134	140-9-230T-04000	Printed Circuit Baord Assembly, FM Preset	1
R441,442, 443,444, 445,446, 447	4-222T-52400	Variable Resistor 100k (B)	7
D411,412, 413,414, 415,416, 417		Diode 1S2472	7
R432,433, 434,435, 436,437, 438		Carbon 15k ohm ±2% 1/8W	7
MPX PCB ASSY			
135	140-9-230T-24000	Printed Circuit Baord Assembly MPX	1
L301,302	4-252T-03200	Choke Coil 10mH	2
	4-236T-10574	Plug 7P	1
CR301,302	4-227T-01410 or 4-227T-01400	CR Combination, MPX Filter	2
C341,342		Styrol 6800pF ±5% 50WV	2
SCREW MOUNTING			
Y1		Pan Head Screw 2.6x4mm	5
Y2		Pan Head Screw 2.6x6mm	1
Y3		Pan Head Screw 3x4mm	5
Y4		Pan Head Screw 3x6mm	2
Y5		Pan Head Screw 3x20mm	2
Y6		Pan Head Screw 4x12mm	4
Y7		Flat Head Screw 4x12mm	4
Y8		Tapping Screw 3x4mm	1
Y9		Tapping Screw 3x6mm	1
Y10		Tapping Screw 3x8mm	6
Y11		Tapping Scrrw 3x10mm	17
Y12		Tapping Screw 3x12mm	12
Y13		Tapping Screw 3x16mm	12
Y14		Tapping Screw 3x20mm	2
Y15		Tapping Screw 3x25mm	4
Y16		Nut 7φ x 0.75mm	1
Y17		Nut 8φ x 0.75mm	1
Y18		Nut 2.6mm	2
Y19		Washer 2.6mm	1
Y20		Washer 3 x 8 x 0.5mm	1
Y21		Washer 3 x 8 x 1mm	2
Y22		Washer 3 x 10 x 0.5mm	1
Y23	141-2-453T-01700	Washer 3 x 10 x 1mm	1
Y24	141-2-453T-01000	Washer 3 x 12 x 1mm	3
Y25		Washer 4 x 10 x 1mm	4
Y26		External Tooth Lock Washer 3mm	2
Y27		Spring Washer 2.6mm	1
Y28		Spring Washer 3mm	2
Y29		External "E" Ring 2mm	1
Y30		Tapping Screw with Washer 3 x 8mm	7
Y31		Tapping Screw with Washer 3 x 10mm	4
Y32		Tapping Screw with Washer 3 x 12mm	2
Y33		Ethylene Washer 3 x 6 x 0.5mm	7
		Tapping Screw 3 x 14mm	1
	141-2-453T-02400	Washer 3 x 10 x 2mm	1

EXPLODED VIEW (TURNTABLE)



PARTS LIST

Ref. No.	Part No.	Description	Q'ty
TURNTABLE			
T1	FJA-620016	Turn Table	1
T2	FJA-700515	Drive Belt	1
T3		Tapping Screw 3 x 8mm	16
T4	FJA-893040	Eccentricity Pin	1
T5		Pan Head Screw 3 x 6 mm	1
T6	FJA-893046	Speed Select Base	1
T7	FJA-870402	Speed Select Arm	1
T8		External "E" Ring 3mm	1
T9	FJA870725	Turn table Mat	1
T10	FJA-850966	Unit Plate Assembly	1
T11	FJA-870895	Speed Select Cover	1
T12	FJA-894649	Speed Select Lever	3
T13	FJA-7032622	Motor Pulley	1
T14	FJA-631170	Motor Assembly	1
T15	FJA-702230	Rubber Cushion	3
T16	FJA-8936591	Pipe	3
T17		Fiber Washer 3.2x10x0.8mm	4
T18		Thread Rolling Screw 3x20mm	3
T19	FJA7012051	Turn Table Shaft	1
T20	FJA-890876	Adaptor	1
T21	FJA-890675	Adaptor Base	1
T22	FJA-7005141	Turn Table Shaft Bracket	1
T23		External "E" Ring 3.2mm	6
T25	FJA894738	Actuating Pawl	1
T26	FJA894736	Actuating Guide	1
T27	FJA-E813152	E Ring	2
T29	FJA-890322	Reject Lever Shaft	1
T30	FJA-891210	R Gear Assembly	1
T31		Fiber Washer 5x10x0.5mm	1
T32	FJA-E817790	Eccentricity Pin	1
T33	FJA-E813153	E Ring	1
T34	FJA-8708952	Cueing Cover	1
T35	FJA-8708951	Reject Cover	1
T36	FJA-890218	Kick Lever	1
T37	FJA-890259	Coil Spring	1
T38		Spring Washer 3 mm	3
T39		Nut 3mm	2
T40	FJA-E271110	Stopper	1
T41	FJA-890721	Switch Lever Assembly	1
T42	FJA-894651	Reject Support	1
T43		Fiber Washer 5x10x1mm	1
T44		Fiber Washer 5x10x0.5mm	1
T45		External "E" Ring 4mm	1
T46	FJA-8903792	Reject Coil Spring	1
T47		Circular Ring 3.5mm	1
T48	FJA-893369	Rest Assembly	1
T50	FJA-890620	Gear Stop Nut	1
T51	FJA-890619	Eccentricity Shaft	1
T52	FJA-890618	Gear Stop Arm	1
T53	FJA-890628	Coil Spring	1
T56	FJA-891980	Reject Ring	1
T57	FJA-E832780	Elevation Coil Spring	1
T58	FJA8923264	Elevation Shaft Assembly	1
T59	FJA-893583	Plate Pick Up Table Assembly	1
T61		Pan Head Screw 3x30mm	1
T62	FJA-893615	Cueing Base Assembly	1
T63	FJA-893618	Seesaw Coil Spring	1
T64	FJA-893616	Cue Seesaw	1
T65	FJA-E813681	Coil Spring	1
T66		Pan Head Screw 3x12mm	1
T67	FJA-890593	Cord Clamper	2
T68		Fiber Washer 3.2x8x0.5mm	3
T69	FJA-8903222	Reject Lever Shaft	1
T70	FJA-892331	Arm Coil Spring	1
T71	FJA-890995	Eccentricity Pin	1
T72	FJA-890765	Washer	2
T73	FJA-8916351	Actuating Arm	1
T74	FJA-8700381	Actuating Base	1
T75	FJA-890794	Seesaw Assembly	1
T76		Pan Head Screw 3x14mm	2
T77	FJA-890334	Micro Switch	1
T78		Circular Ring 3mm	1
T79	FJA-8909942	Switch Arm Assembly	1
T80	FJA-8901661	Coil Spring	2
T81	FJA-891258	Cap	1
T82		Electrical Capacitor 0.1μF 50WV	1
T83	FJA-891849	Terminal Board	1
T84	FJA-894648	Power Supply Cord	1

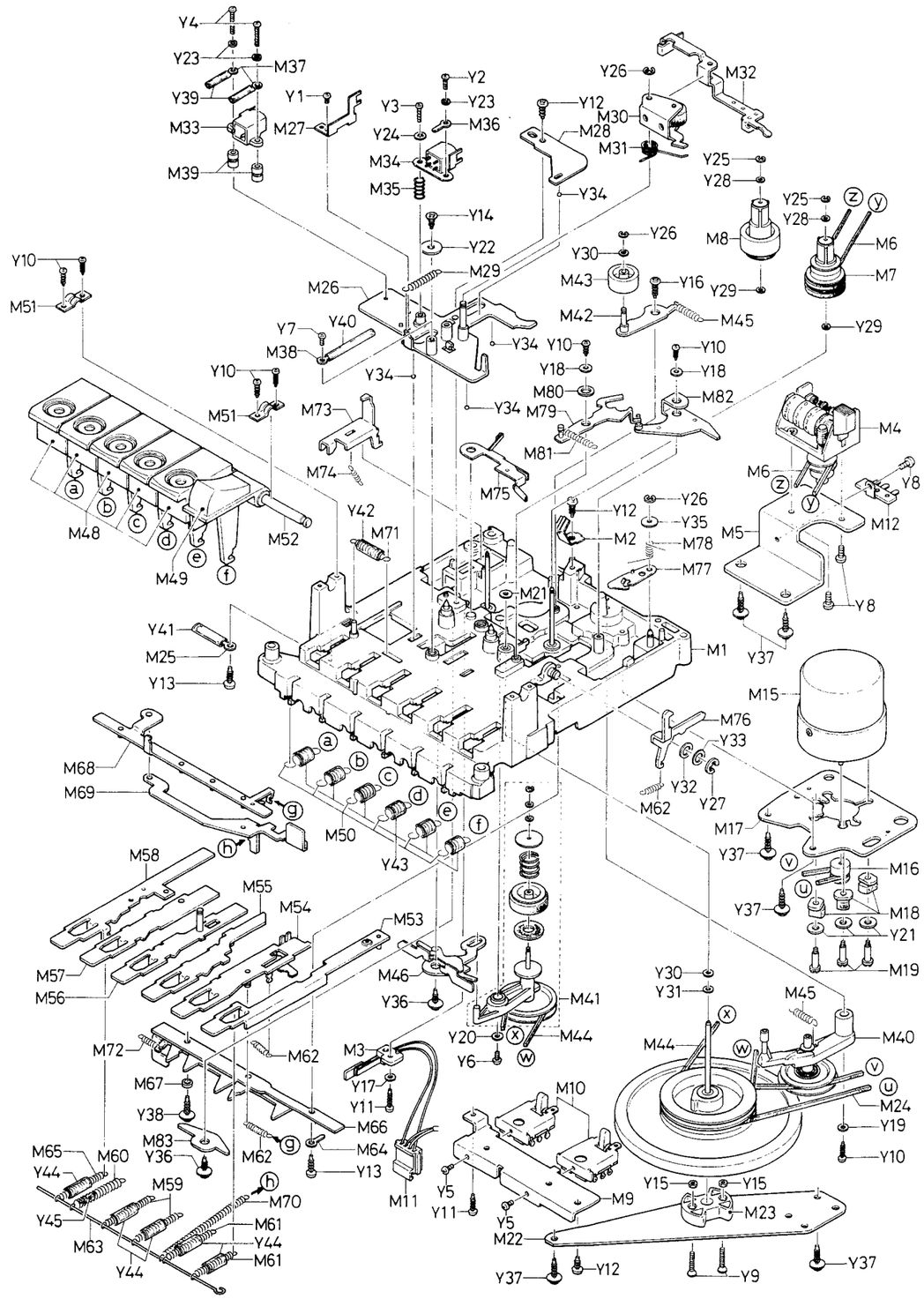
Ref No.	Part No.	Description	Q'ty
TURNTABLE			
T85	FJA-894650	Click Spring	1
T86		4φ Lug	2
T87	FJA-894759	Terminal Brakcet	1
T88	FJA-893493	Plug Assembly, 2 pin	1
T89		External Tooth Lock Washer 3mm	1
T91	FJA8901663	Coil Spring	2
T92	FJA890755	Lug	1
T93		UL Tube 3φ x 50mm	1
T94		Head less screw 2.6 x 4	1
T95	FJA-893135	Elevation plate	1
T49	FJA851131	Pick up Assembly	1
A	N107A	Stylus	1
B	MM107A	Careridge	1
C	FJA-A-407-3	Head Sheel	1
D	FJA-Z-180	Weight	1
E	FJA-871081	Pickup Base	1
F		Washer 12φ	1
G		Nut 12m	1
H	FJA-AW-0108	I.F.C. Weight	1
I	FJA-SP-82	I.F.C Stand	1
MECHANISM			
M1	141-0-311T-04900	Chassis Assembly	1
M2	141-2- 53T-47200	Plate Spring, Cassette Pressure	1
M3	4-231T-50900	Switch, Power	1
M4	141-2-811T-05600	Counter	1
M5	141-2-812T-06200	Bracket, Counter Mtg.	1
M6	141-2-564T-17200	Belt, Counter Belt	1
M7	141-0-531T-04491	Reel Plate Assembly	1
M8	141-0-531T-01701	Reel Plate Assembly Supply Reel	1
M9	141-2-365T-33500	Bracket Switch, Muting Switch	1
M10	4-231T-43000	Switch, Muting	2
M11	4-235T-39500	Socket 4 pin, Motor Lead	1
M12	4-237T-05800	Terminal Board, Motor Lead	1
M13	4-235T-39800	Socket 4 pin, Mechanism Switch Lead	1
M14	4-235T-39900	Socket 8 pin, R/P & E Head Lead	1
M15	4-527T-08300	DC Motor	1
M16	141-0-661T-66191	Motor Pulley Assembly	1
M17	141-2-378T-08200	Bracket Motor, Motor Mtg.	1
M18	141-2-445T-11801	Rubber Cushion, Motor Mtg.	3
M19	141-2-421T-12501	Special Screw, Motor Mtg.	3
M20	141-0-521T-07000	Flywheel Assembly	1
M21	141-2-457T-04300	Special Washer, Flywheel Mtg.	1
M22	141-2-524T-07000	Bracket, Flywheel Mtg.	1
M23	141-2-572T-05800	Bracket, Flywheel Support	1
M24	141-2-564T-15400	Main Belt	1
M25	123-2-472R-00600	Lug, Flywheel Earth Lead Fixer	1
M26	141-0-731T-11700	Slide Assembly, Head Slide	1
M27	141-2-821T-10201	Tape Guide	1
M28	141-2-853T-38500	Plate Spring, Head Slide (M26) Hold	1
M29	141-2-851T-99200	Coil Spring, Head Slide Connect of Operation	1
M30	141-0-545T-02500	Pinch Roller Lever Assembly	1
M31	141-2-852T-09400	Wire Spring, Pinch Roller Pressure	1
M32	141-0-721T-033912	Lever Shut Off Assembly	1
M33	4-242T-20700	Erase Head	1
M34	4-242T-20200	Record/Playback Head	1
M35	141-2-851T-49700	Coil Spring, Record/Playback Head Azimuth Adjust	1
M36	123-2-472R-00200	Lug, Record/Playback Head Earth	1
M37	141-2-472T-05900	Lug, Erase Head Lead Fixer	2
M38	141-2-472T-01000	Lug, Lead Fixer	2
M39	141-2-461T-16900	Pipe, Erase Head Stand	2

PARTS LIST

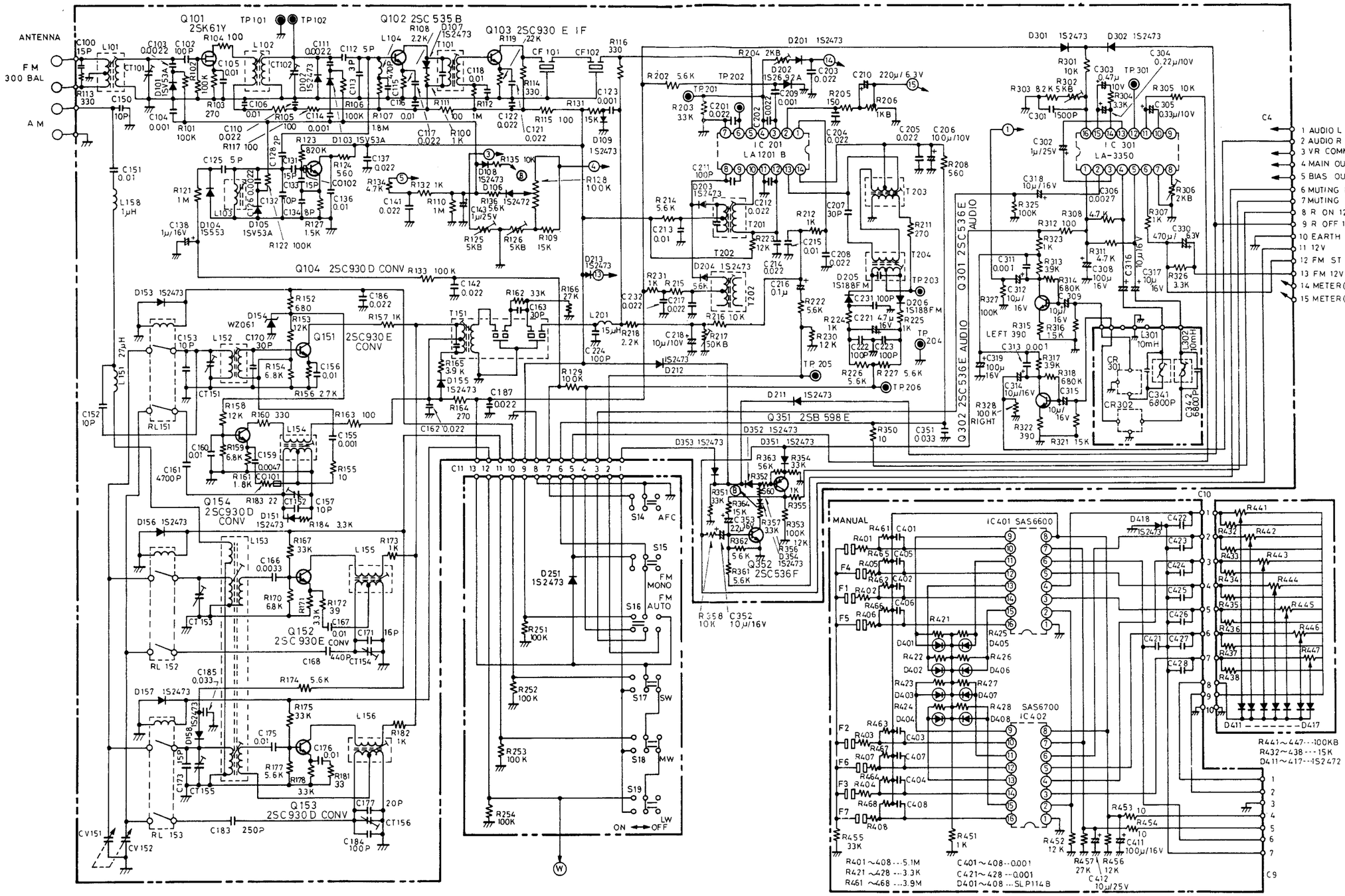
Ref. No.	Part No.	Description	Q'ty
MECHANISM			
M40	141-0-741T-18201	Lever Assembly, Play	1
M41	141-0-741T-19000	Lever Assembly, Rewind & Fast Forward	1
M42	141-0-741T-05700	Lever Assembly, Fast Forward Roller Lever	1
M43	141-2-661T-23600	Pulley, Roller	1
M44	141-2-564T-13500	Square Belt, Rewind & Fast Forward	1
M45	141-2-851T-63800	Coil Spring, Lever (M40, M42) Mtg.	1
M46	141-0-741T-17000	Lever Assembly, Rewind & Fast Forward Operation	1
M48	141-2-611T-09500	Push Button, Except Pause	5
M49	141-2-611T-09600	Push Button, Pause	1
M50	141-2-855T-06800	Coil Spring, Push Button	6
M51	141-2-853T-23300	Plate Spring, Shaft (M52) Mtg.	2
M52	141-2-612T-03000	Shaft, Push Button Mtg.	1
M53	141-0-731T-11500	Slide Assembly, Pause	1
M54	141-0-731T-11400	Slide Assembly, Stop	1
M55	141-2-731T-44400	Slide, Fast Forward	1
M56	141-0-731T-11600	Slide Assembly, Play	1
M57	141-0-731T-11800	Slide Assembly, Rewind	1
M58	141-0-731T-13600	Slide Assembly, Record	1
M59	141-2-851T-31500	Coil Spring, Play & Fast Forward Slide Restore	2
M60	141-2-851T-66400	Coil Spring, Rewind Slide Restore	1
M61	141-2-851T-67600	Coil Spring, Pause & Stop Slide Restore	2
M62	141-2-851T-56100	Coil Spring, Stop Slide (M54) & Lever (M76)	2
M63	141-2-735T-09900	Rod, Coil Spring Earth	1
M64	123-2-472R-00400	Lug, Bracket Slide (M66) Mtg.	1
M65	141-2-851T-56000	Coil Spring, Record Slide Restore	1
M66	141-0-737T-00700	Bracket Slide Assembly, Push Button Slide Fixer	1
M67	141-2-683T-26000	Ring, Bracket Slide (M66) Mtg.	1
M68	141-0-731T-11900	Slide Assembly, Lock Slide	1
M69	141-2-741T-47308	Auto Stop Lever	1
M70	141-2-851T-73201 or 141-2-851T-73202	Coil Spring, Auto Stop	1
M71	141-2-851T-99000	Coil Spring, Slide (M68) Restore	1
M72	141-2-851T-46000	Coil Spring, Bracket Slide (M66) Restore	1
M73	141-2-741T-82500	Lever, Safety Recording	1
M74	141-2-851T-79800	Coil Spring, Lever (M73) Restore	1
M75	141-0-741T-56491	Lever Assembly, Brake Lever	1
M76	141-2-741T-99100	Lever, Cassette Up	1
M77	141-2-614T-05100	Lever Lock, Pause	1
M78	141-2-852T-35100	Wire Spring, Pause	1
M79	141-0-741T-15301	Lever Assembly, Pause	1
M80	141-2-683T-25800	Ring, Lever (M79) Mtg.	1
M81	141-2-855T-02900	Coil Spring, Lever (M79) Restore	1
M82	141-0-741T-17100	Lever Assembly, Pause	1
M83	141-2-741T-92200	Lever, Prevent a simultaneously Lock of Rewind & Play Button	1

Ref. No.	Part No.	Description	Q'ty
MECHANISM SCREWS			
Y1		Pan Head Screw 2x2mm	1
Y2		Pan Head Screw 2x6mm	1
Y3		Pan Head Screw 2x8mm	1
Y4		Pan Head Screw 2x12mm	2
Y5		Pan Head Screw 2.6x4mm	2
Y6		Pan Head Screw 2.6x6mm	1
Y7		Pan Head Screw 3x4mm	1
Y8		Pan Head Screw 3x6mm	3
Y9		Flat Head Screw 2.6x10mm	2
Y10		Tapping Screw 2.3x6mm	6
Y11		Tapping Screw 2.3x8mm	2
Y12		Tapping Screw 3x6mm	3
Y13		Tapping Screw 3x8mm	2
Y14		Flat Head Tapping Screw 3x6mm	1
Y15		Nut 2.6mm	2
Y16		Binding Head Tapping Screw 3x6mm	1
Y17		Washer 2.3mm	1
Y18		Washer 2.3x6x0.4mm	2
Y19		Washer 2.3x8x0.5mm	1
Y20		Washer 2.6x6x0.5mm	1
Y21		Washer 3x8x0.5mm	3
Y22		Washer 3x10x0.5mm	1
Y23		Spring Washer 2mm	3
Y24		Internal Tooth Lock Washer 2.6mm	1
Y25		External "E" Ring 1.5mm	2
Y26		External "E" Ring 2mm	3
Y27		External "E" Ring 3.2mm	1
Y28		Graphite Nylon Washer 2.1x4x0.25mm	2
Y29		Graphite Nylon Washer 2.1x4x0.5mm	2
Y30		Graphite Nylon Washer 2.6x4.7x0.25mm	2
Y31		Graphite Nylon Washer 2.6x4.7x0.5mm	1
Y32		Graphite Nylon Washer 5.2x8x0.25mm	1
Y33		Graphite Nylon Washer 5.2x8x0.5mm	1
Y34		Steel Ball 2ϕ	4
Y35		Fiber Washer 3x8x0.5mm	1
Y36		Tapping Screw with Washer 3x6mm	2
Y37		Tapping Screw with Washer 3x8mm	6
Y38		Tapping Screw with Washer 3x10mm	1
Y39		Vinyl Tube 2ϕx18mm	1
Y40		Vinyl Tube 2ϕx35mm	2
Y41		Vinyl Tube 3ϕx20mm	1
Y42		Vinyl Tube 5ϕx15mm	1
Y43		Vinyl Tube 6ϕx10mm	6
Y44		Vinyl Tube 4ϕx18mm	5
Y45		Felt Cushion 5x5x7mm	1

EXLODED VIEW (MACHANISM)



SCHEMATIC DIAGRAM (TUNER , FM TOUCH, BAND SELECT FM PRESET)



(V)

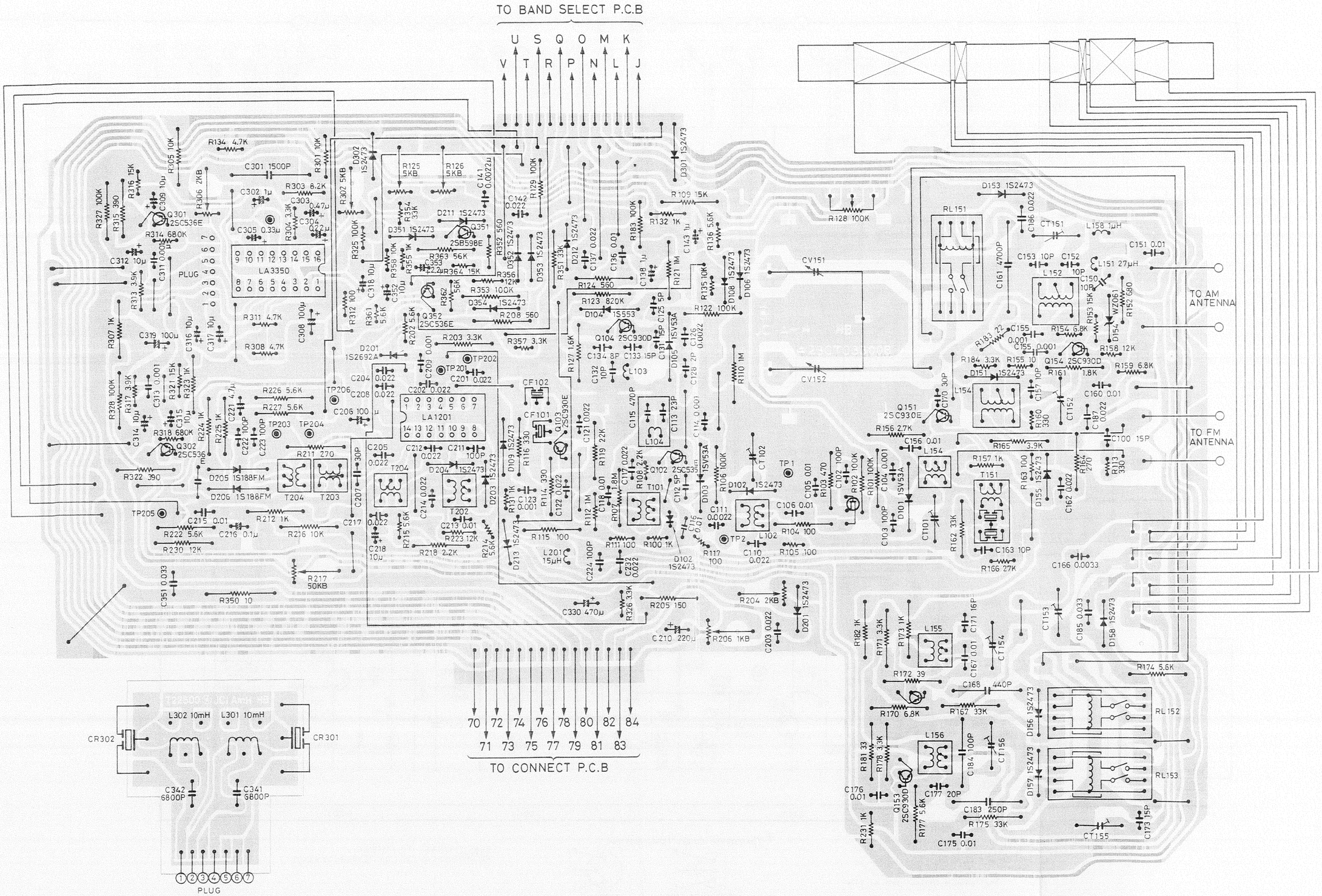
	Q101	Q103	Q104	Q301	Q302	Q351	Q352	Q151	Q152	Q153	Q154
B	1.91	2.76	1.97	1.06	1.06	11.08	0	2.26	1.96	1.65	2.24
C	11.27	11.12	10.92	6.0	6.0	0	10.77	10.56	11.06	11.18	10.93
E	1.28	2.13	1.78	0.42	0.42	11.14	0	1.64	1.31	1.10	1.57

(V)

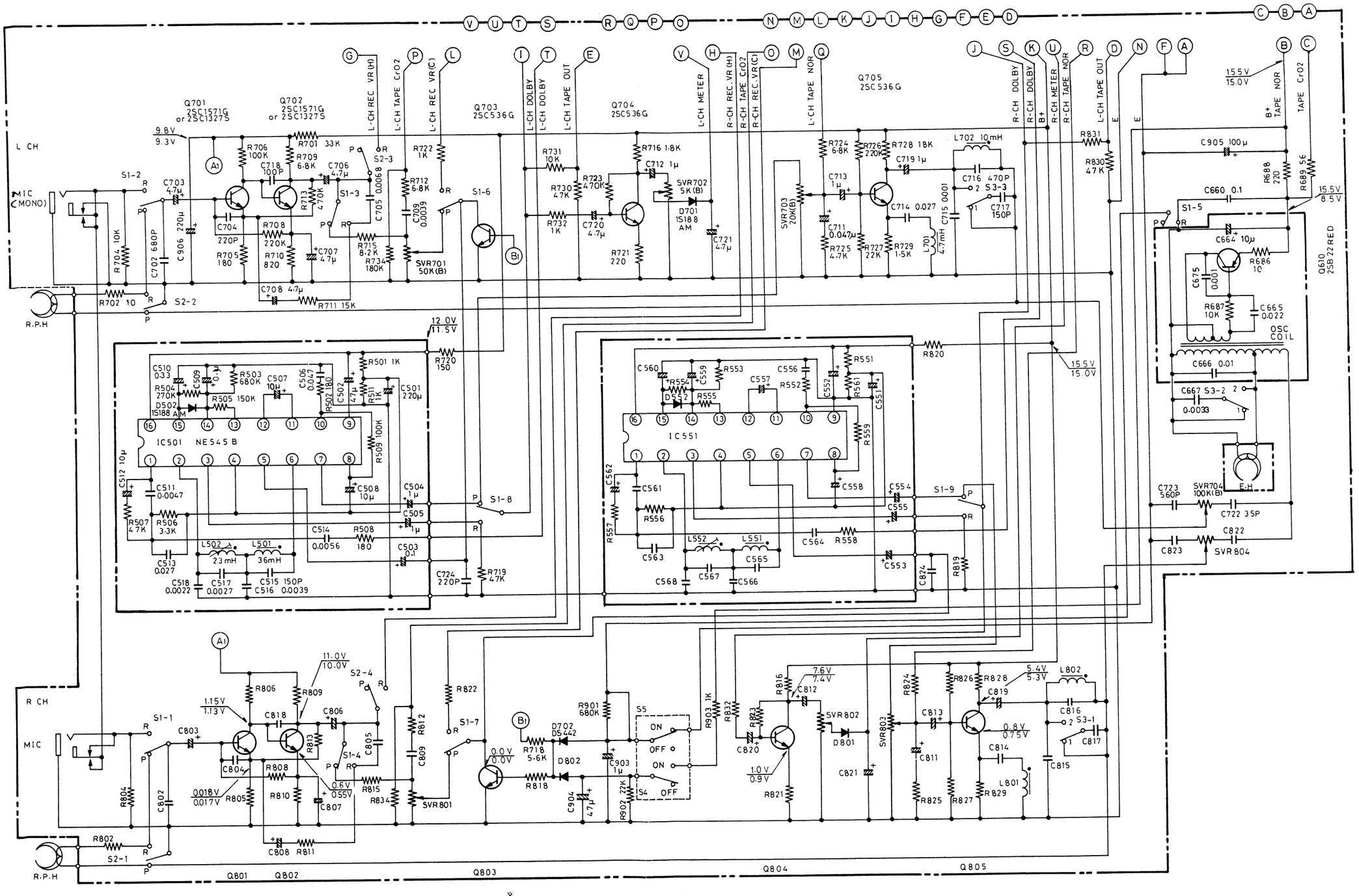
	Q101
G	0
D	11.15
S	0.49

(V)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IC201	2.59	3.12	0.71	1.31	0.63	0	6.36	0.69	2.18	0	2.17	6.60	6.70	—	—	
IC301	10.28	2.71	4.9	7.62	7.67	11.39	0	0.31	6.41	2.11	2.11	2.89	2.11	2.11	2.11	2.77

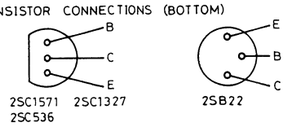

TO BAND SELECT P.C.B
U S Q O M K
V T R P N L J
LA3350
LA1201
PLUG
TO AM ANTENNA
TO FM ANTENNA
TO CONNECT P.C.B
70 72 74 76 78 80 82 84
71 73 75 77 79 81 83
L302 10mH
L301 10mH
CR302
CR301
C342 6800P
C341 6800P
PLUG
1 2 3 4 5 6 7

SCHEMATIC DIAGRAM (MAIN AMP, DOLBY)



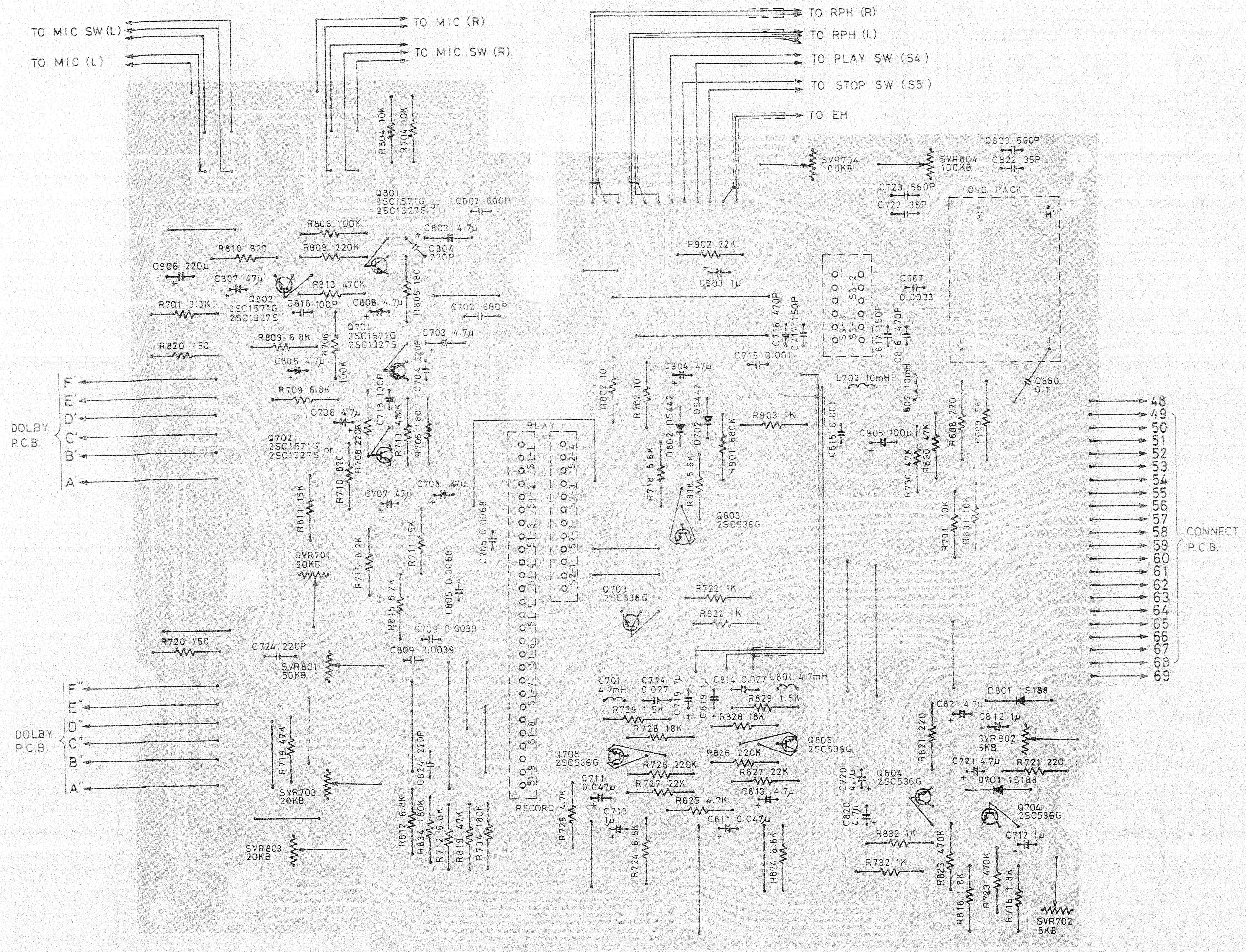
※ S1-1 ~ S1-9 R/P SWITCH AT PLAY POSITION
S2-1 ~ S2-4
S3-1 ~ S3-3 BEAT SWITCH AT 1 POSITION
S4 MUT. SWITCH OFF AT PLAY
S5 MUT. SWITCH INSTANT OFF AT STOP

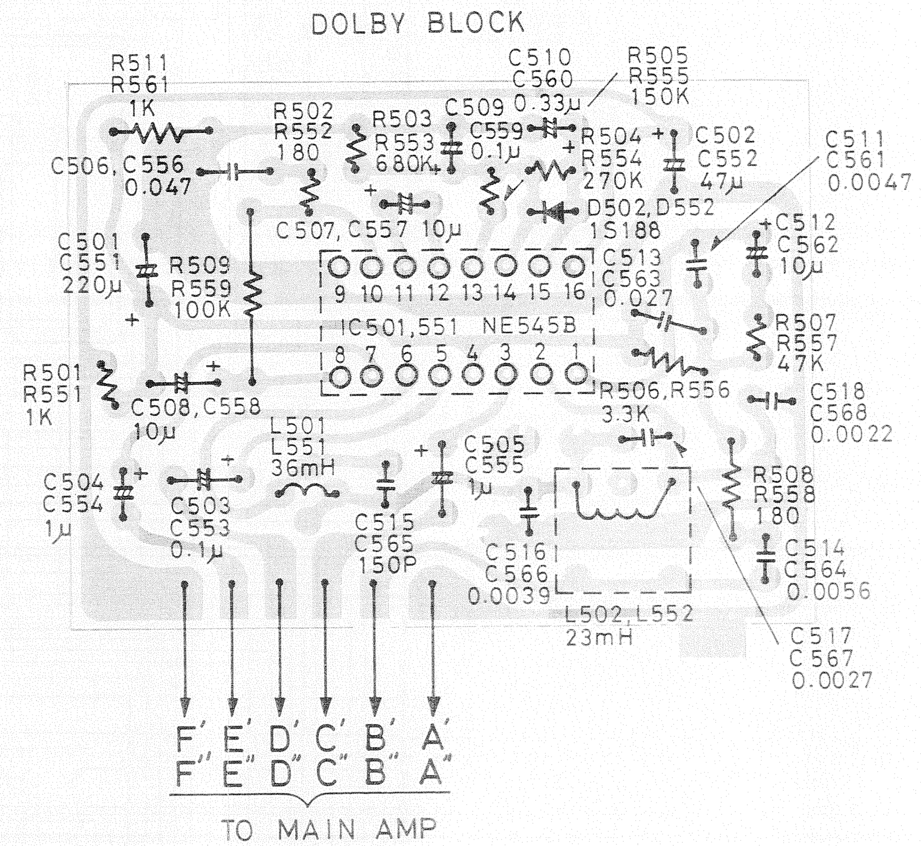
※ TRANSISTOR CONNECTIONS (BOTTOM)



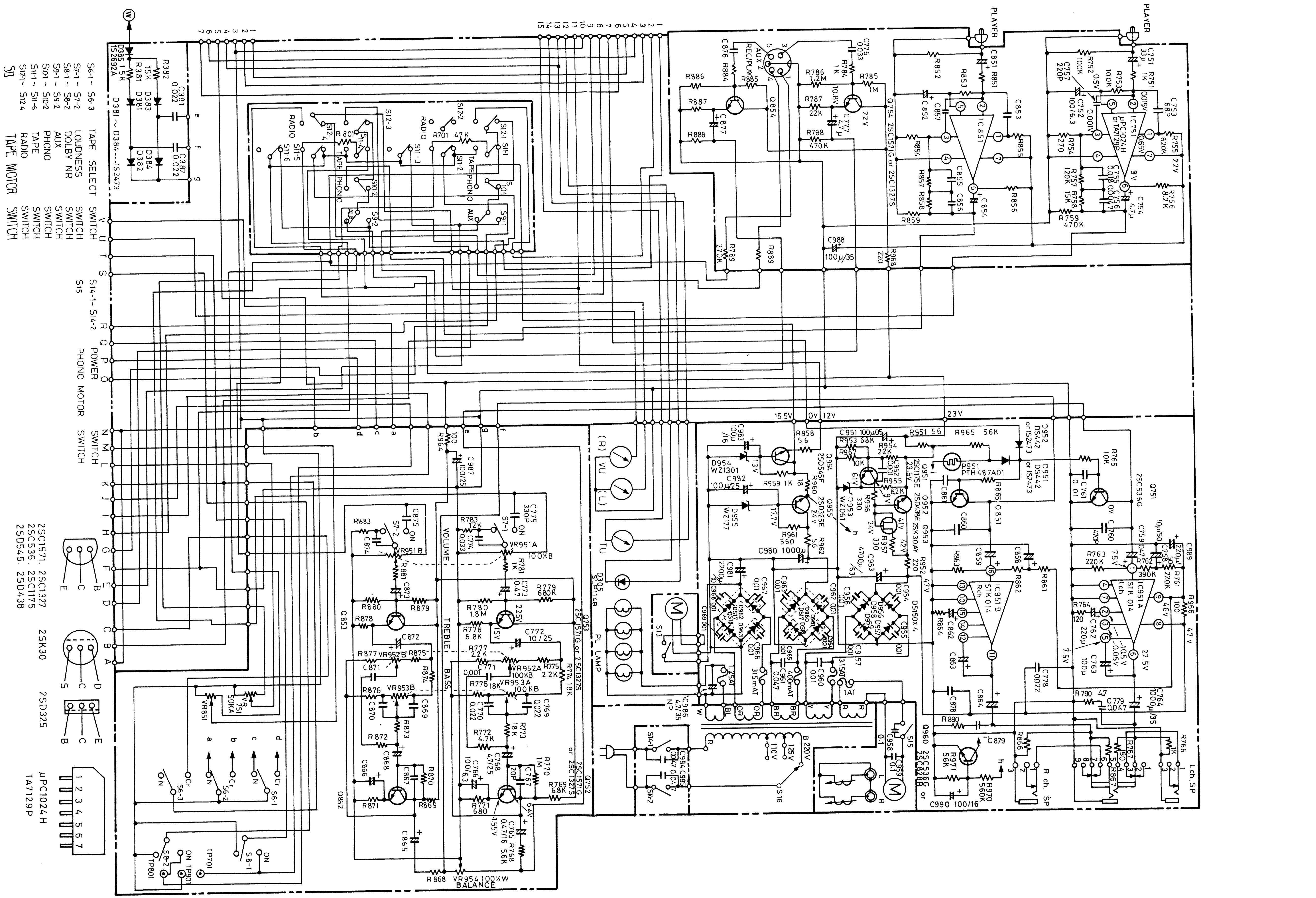
2SC1571 2SC1327 2SC536 2SB22

PLAY VOLTAGE TO CHASSIS
RECORD (NORMAL POSITION, TESTER 10V RANGE)

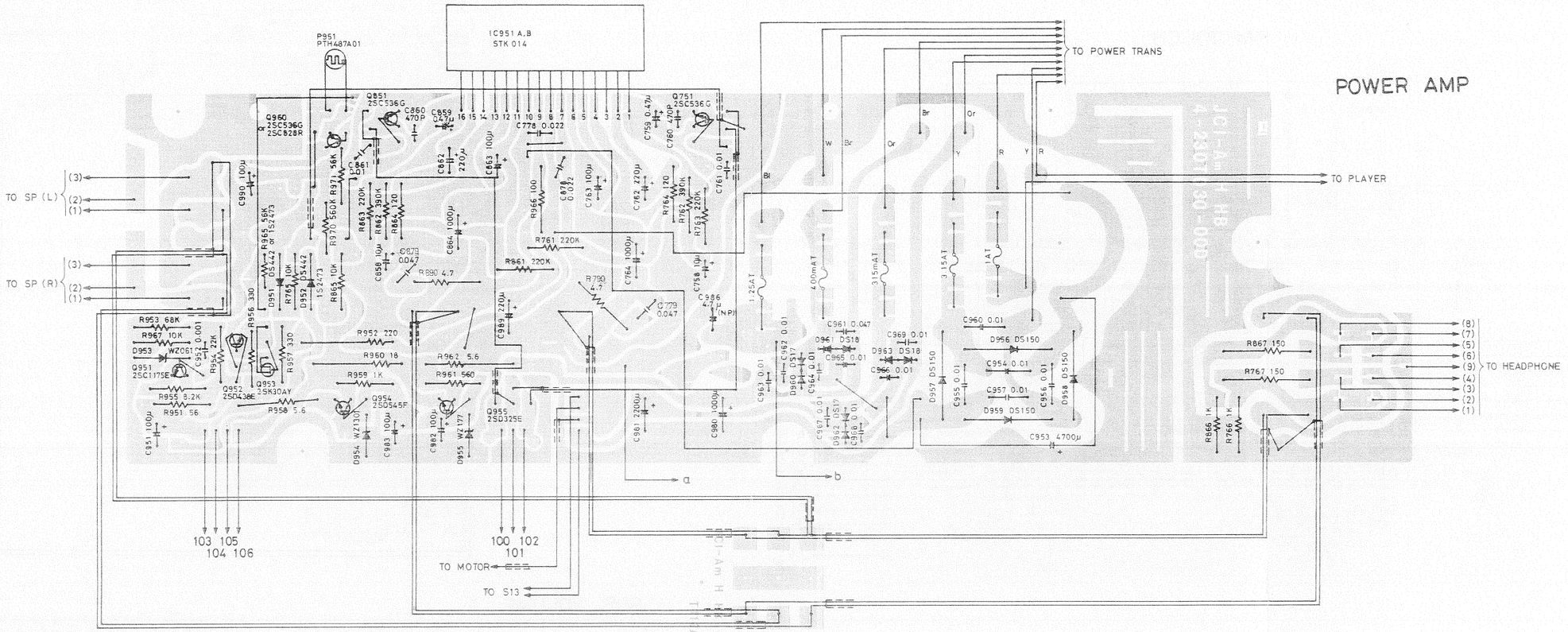

TO MIC SW (L)
TO MIC (L)
TO MIC (R)
TO MIC SW (R)
TO RPH (R)
TO RPH (L)
TO PLAY SW (S4)
TO STOP SW (S5)
TO EH
DOLBY P.C.B.
CONNECT P.C.B.
OSC PACK
PLAY
RECORD


DOLBY BLOCK
IC501,551 NE545B
TO MAIN AMP

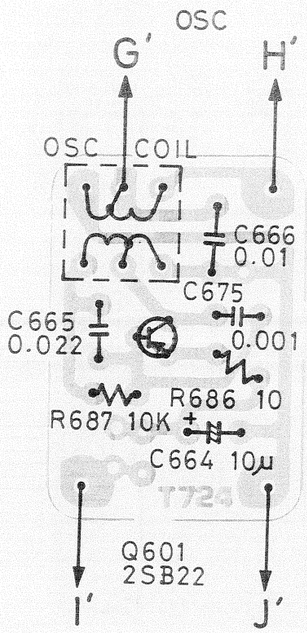
SCHEMATIC DIAGRAM (EQUALIZER, FUNCTION, SUB VR, POWER AMP, POWER SUPPLY, METER, VR)



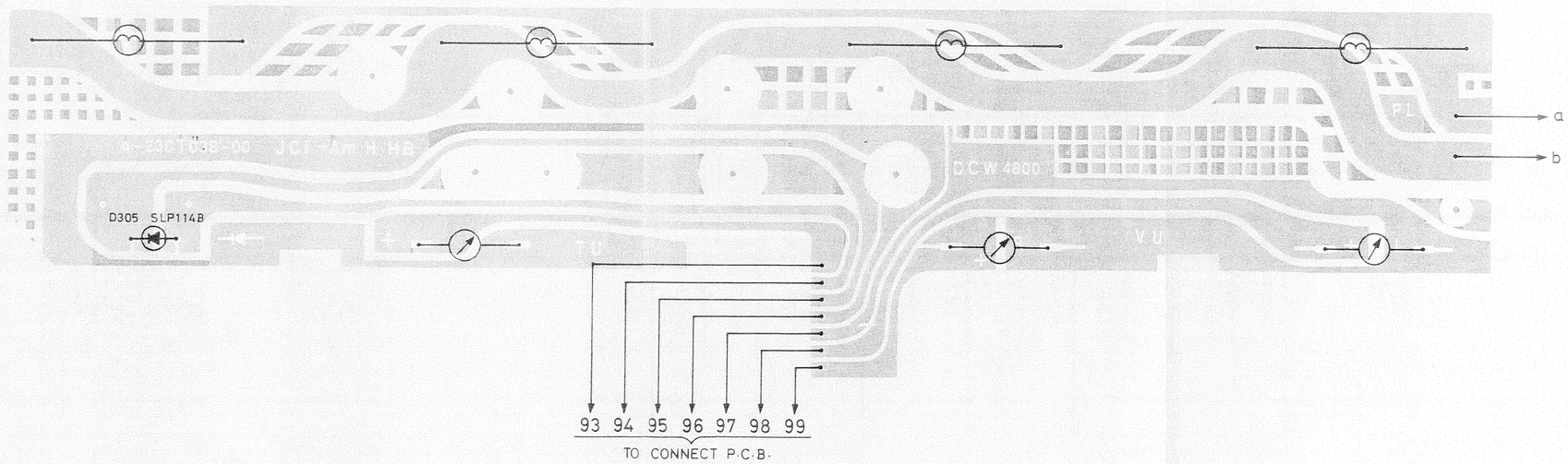
POWER AMP



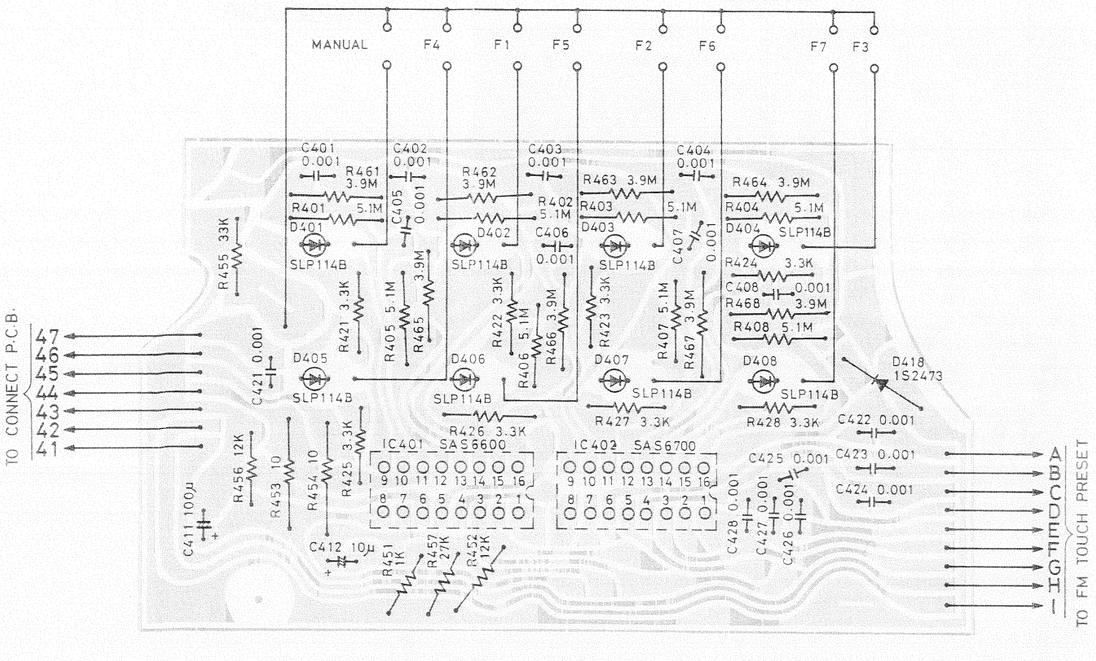
OSC



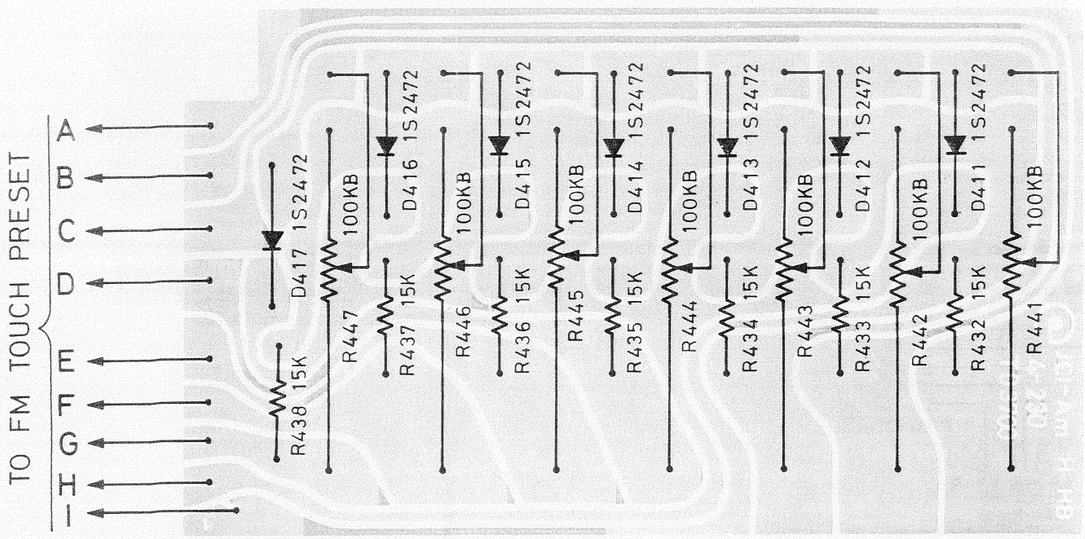
METER



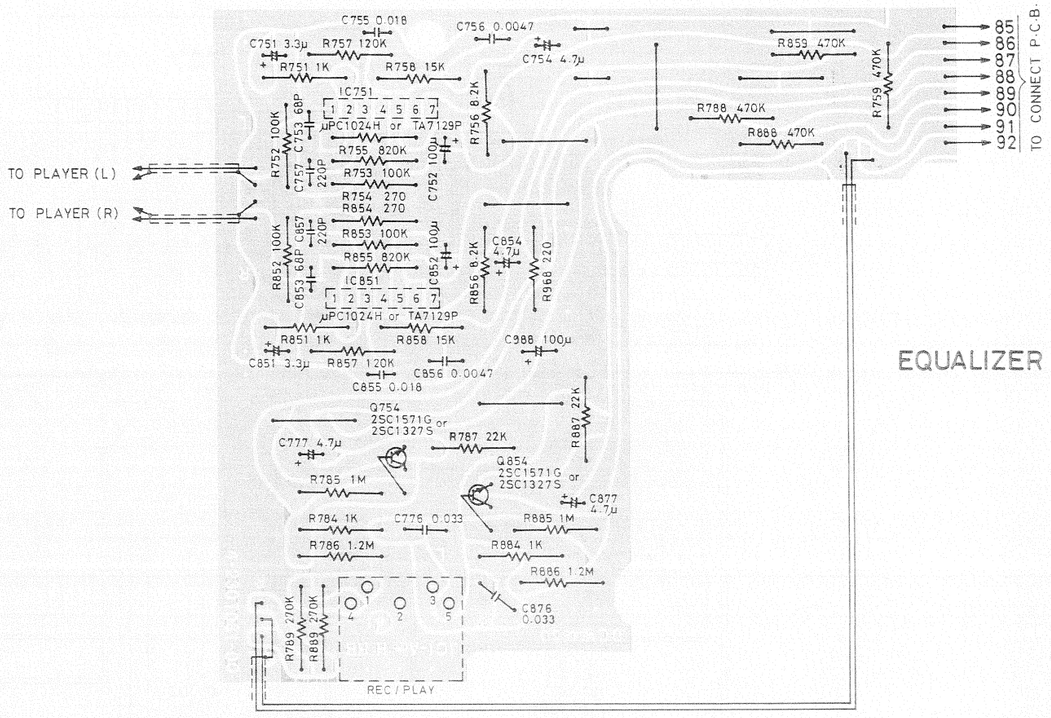
FM TOUCH



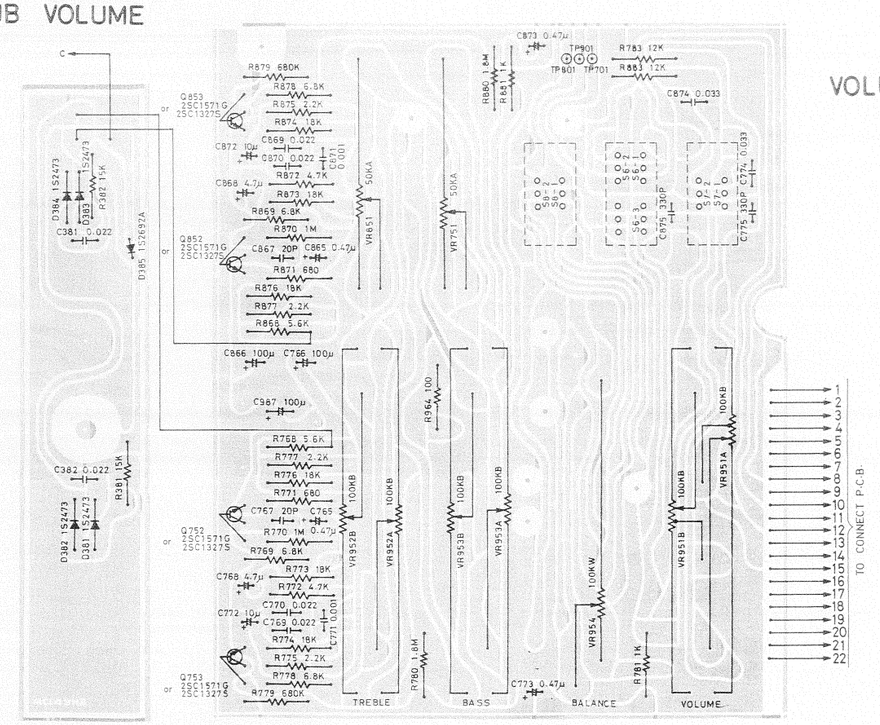
FM PRESET



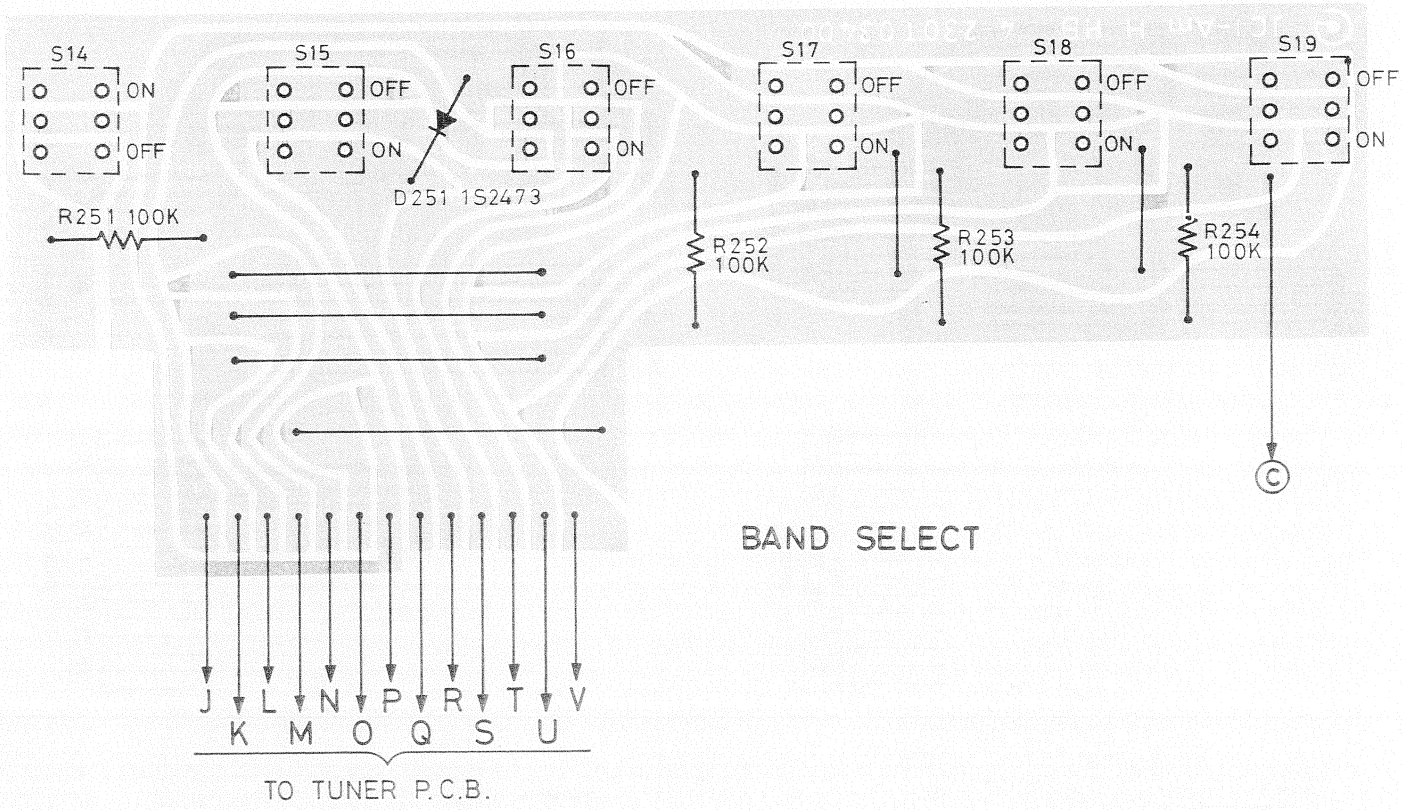
EQUALIZER

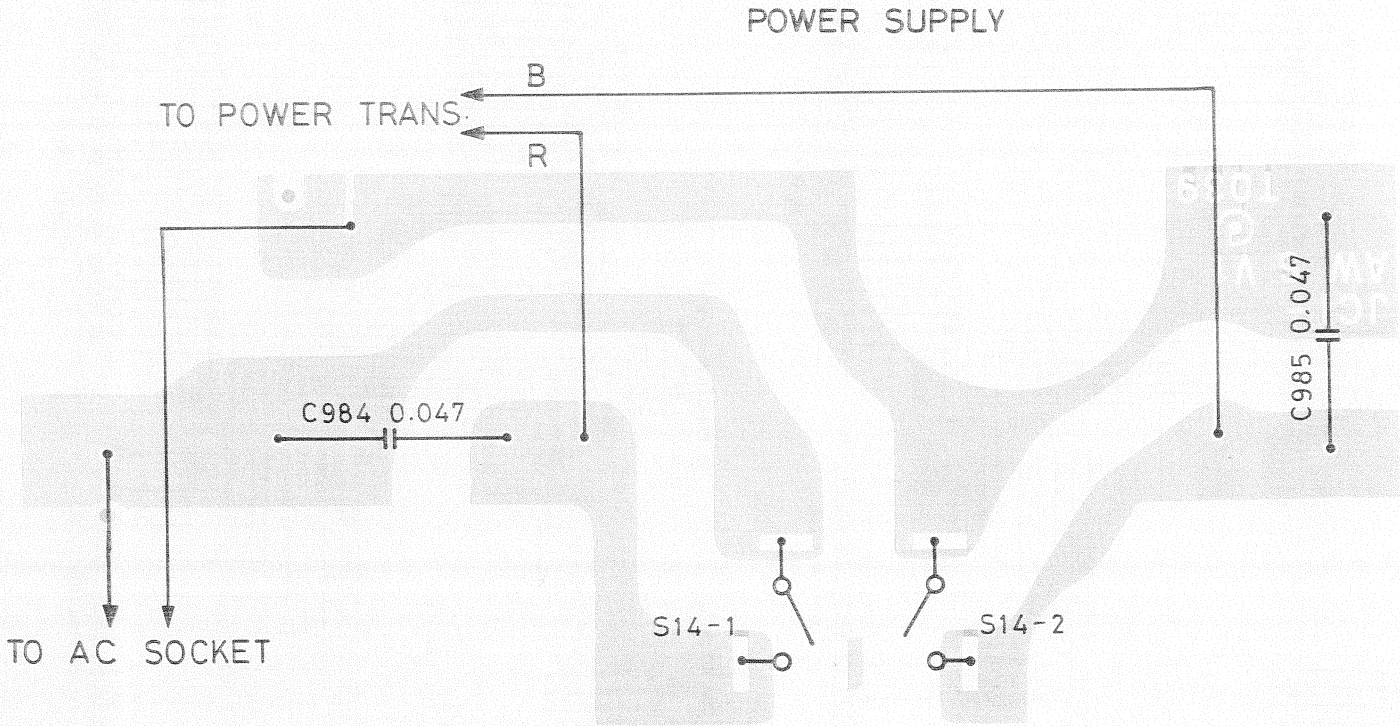


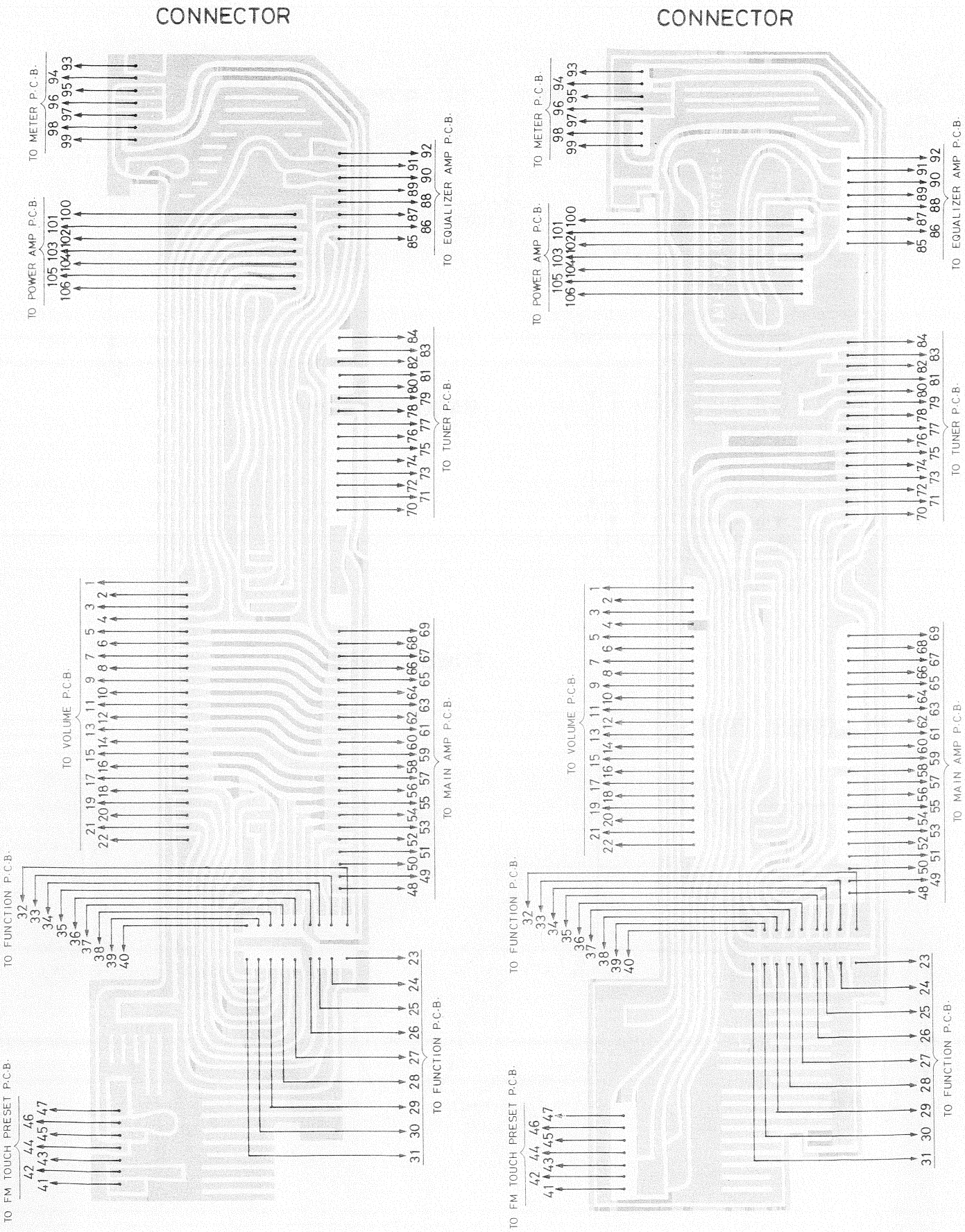
SUB VOLUME



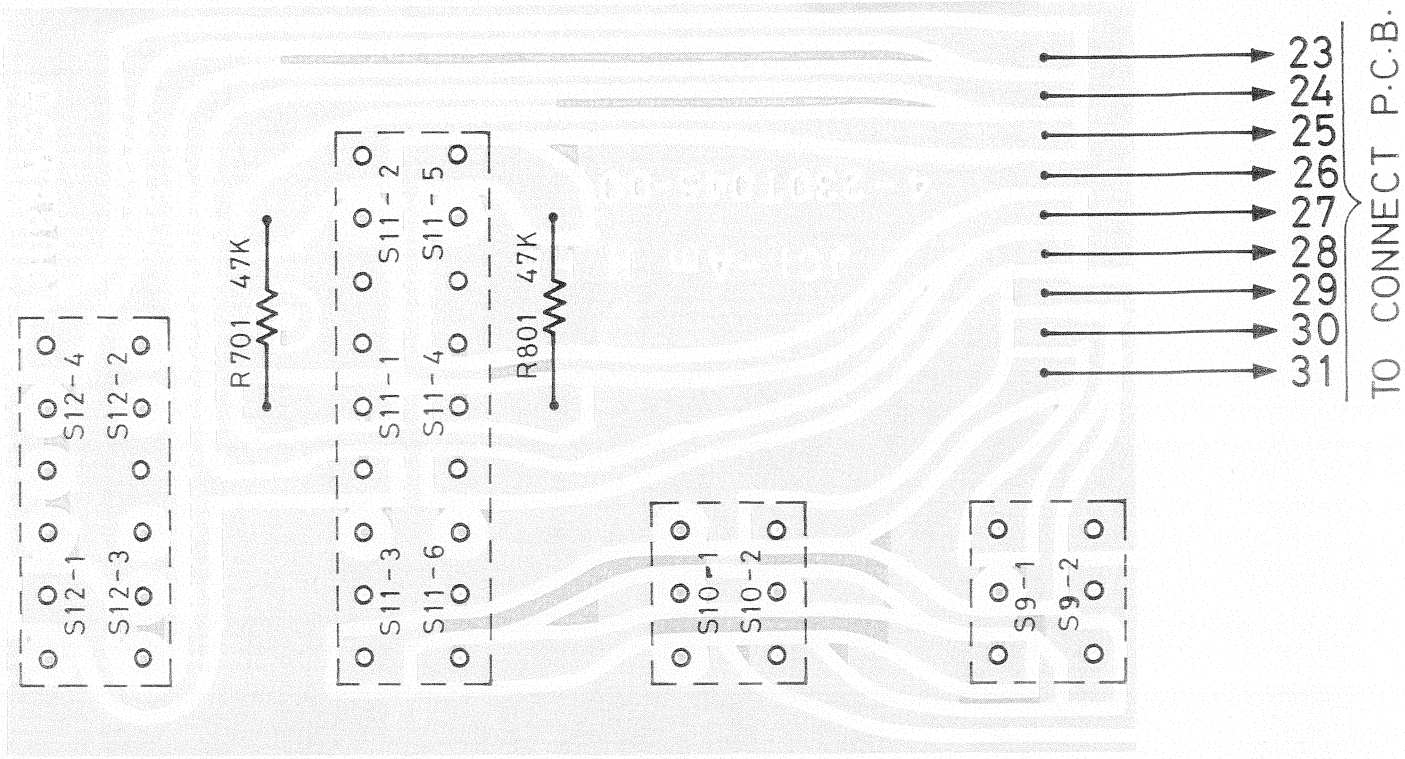
VOLUME


S14
ON
OFF
S15
OFF
ON
S16
OFF
ON
D251 1S2473
S17
OFF
ON
S18
OFF
ON
S19
OFF
ON
R251 100K
R252 100K
R253 100K
R254 100K
J K L M N O P Q R S T U V
TO TUNER P.C.B.
BAND SELECT

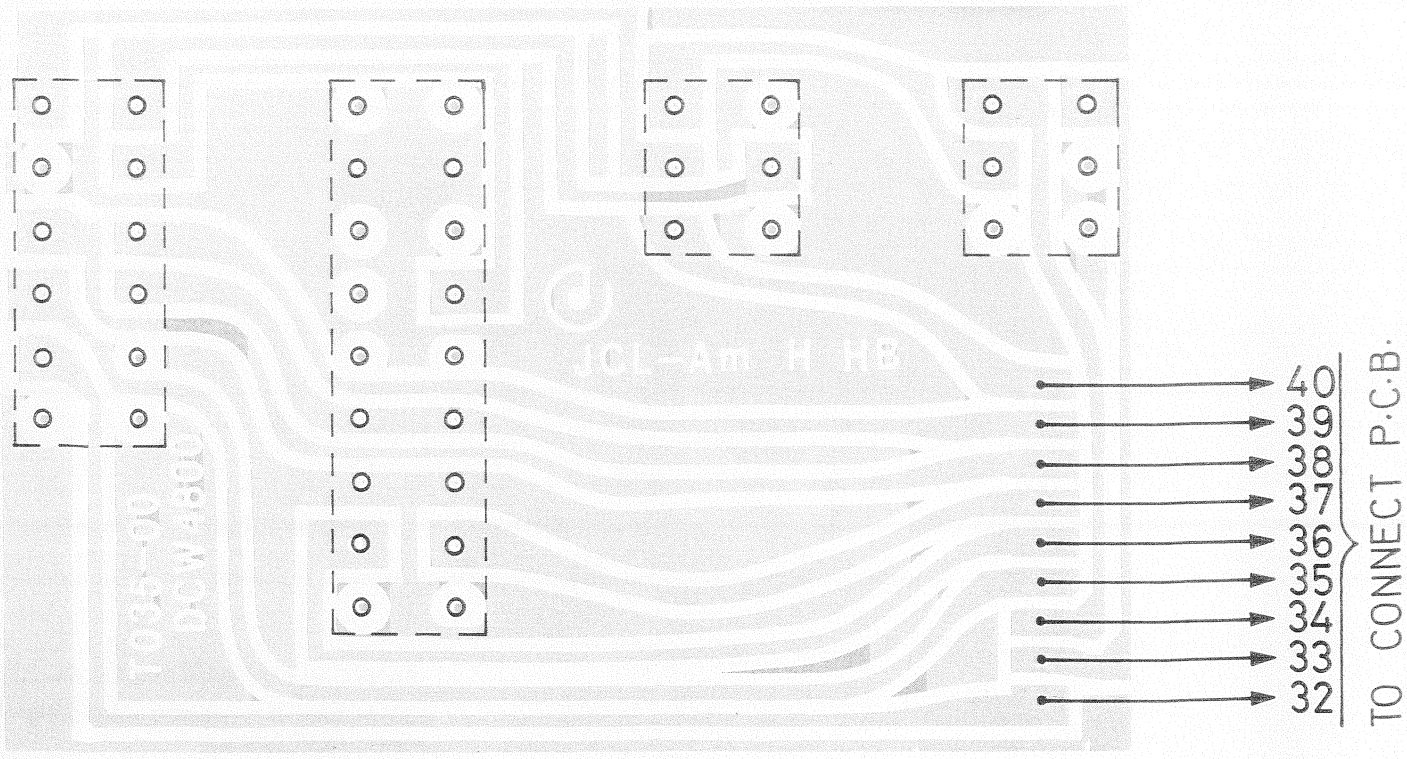

POWER SUPPLY
B
TO POWER TRANS.
R
C984 0.047
C985 0.047
S14-1
S14-2
TO AC SOCKET


CONNECTOR
TO POWER AMP P.C.B.
105 103 101
106 104 102 100
TO METER P.C.B.
98 96 94
99 97 95 93
85 87 89 91
86 88 90 92
TO EQUALIZER AMP P.C.B.
70 72 74 76 78 80 82 84
71 73 75 77 79 81 83
TO TUNER P.C.B.
TO VOLUME P.C.B.
21 19 17 15 13 11 9 7 5 3 1
22 20 18 16 14 12 10 8 6 4 2
48 50 52 54 56 58 60 62 64 66 68
49 51 53 55 57 59 61 63 65 67 69
TO MAIN AMP P.C.B.
TO FUNCTION P.C.B.
32
33
34
35
36
37
38
39
40
TO FM TOUCH PRESET P.C.B.
42 44 46
41 43 45 47
31 30 29 28 27 26 25 24 23
TO FUNCTION P.C.B.
CONNECTOR
TO POWER AMP P.C.B.
105 103 101
106 104 102 100
TO METER P.C.B.
98 96 94
99 97 95 93
85 87 89 91
86 88 90 92
TO EQUALIZER AMP P.C.B.
70 72 74 76 78 80 82 84
71 73 75 77 79 81 83
TO TUNER P.C.B.
TO VOLUME P.C.B.
21 19 17 15 13 11 9 7 5 3 1
22 20 18 16 14 12 10 8 6 4 2
48 50 52 54 56 58 60 62 64 66 68
49 51 53 55 57 59 61 63 65 67 69
TO MAIN AMP P.C.B.
TO FUNCTION P.C.B.
32
33
34
35
36
37
38
39
40
TO FM TOUCH PRESET P.C.B.
42 44 46
41 43 45 47
31 30 29 28 27 26 25 24 23
TO FUNCTION P.C.B.

FUNCTION 1



FUNCTION 2

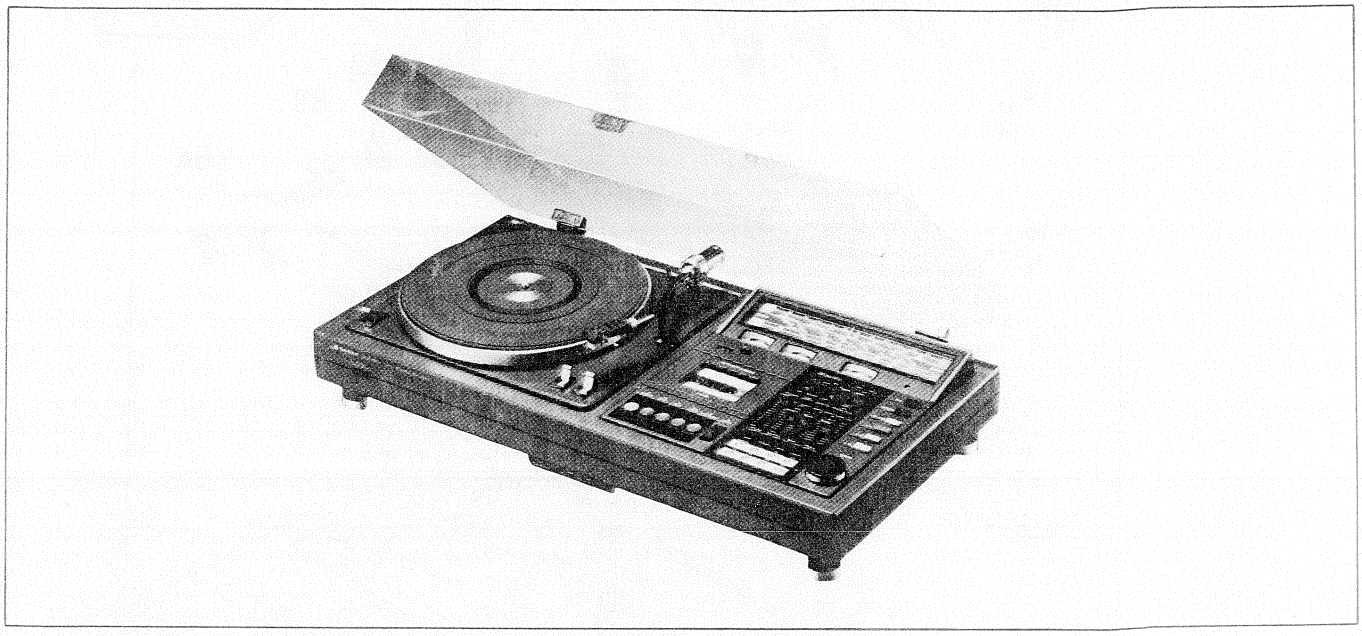


SERVICE MANUAL

SANYO

STEREO MUSIC SYSTEM

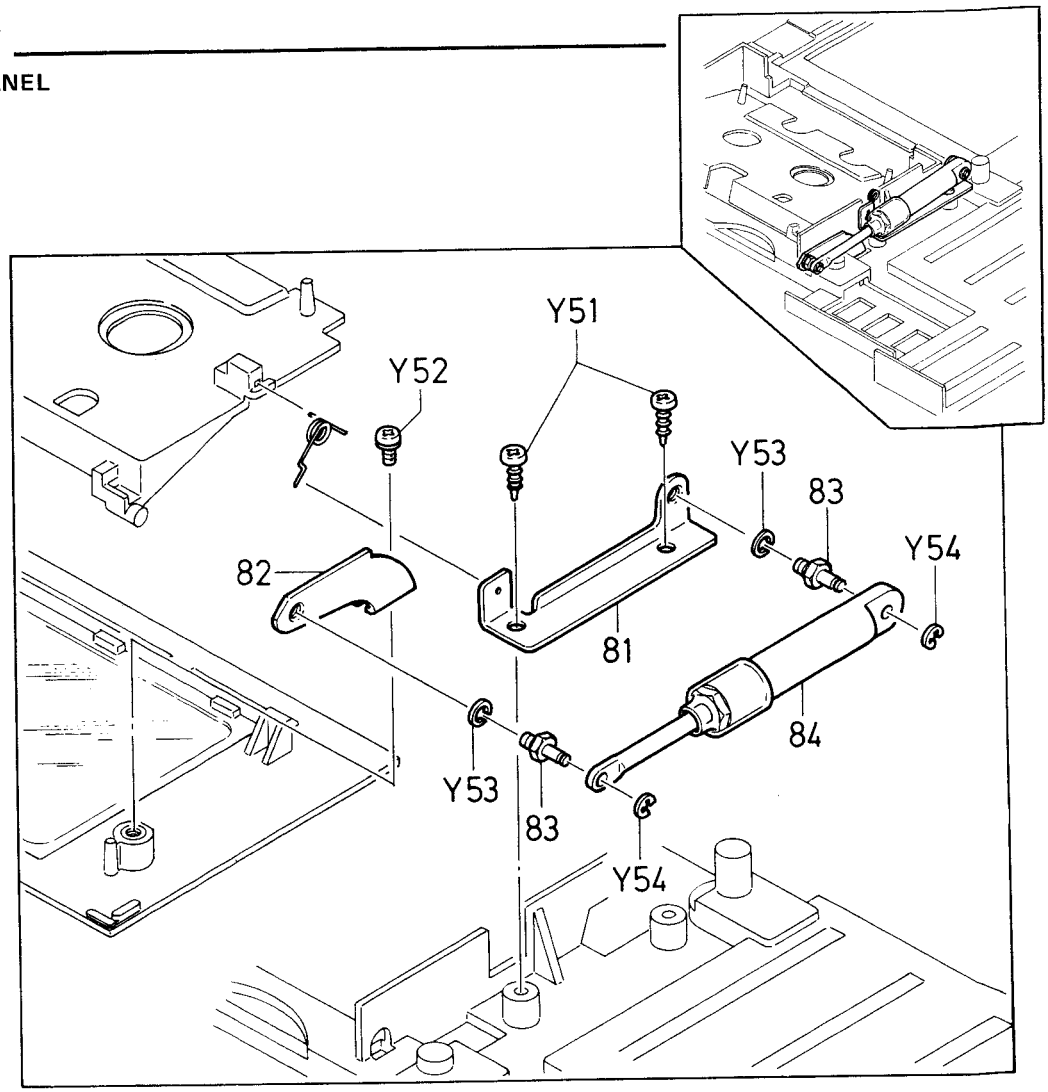
DCW4800UM
OIL DUMPER (EUROPE)



This supplement completes the DCW4800UM (OIL DUMPER) service manual for changing to OIL DUMPER Mechanism on cassette compartment.
For service of the other parts not listed here in, please refer to the former model DCW4800UM (WM-2276 is indicated at the bottom right of the cover) service manual.

EXPLODED VIEW

INSIDE OF DECK PANEL



PARTS LIST

Ref. No.	Part No.	Description	Q'ty
	ADDITIONAL PARTS for OIL DUMER CABINET		
81	141-2-310T-08600	Bracket, Deck Panel Mtg.	1
82	141-2-224T-08800	Bracket Lid, Top Lid Mtg.	1
83	141-2-567T-02300	Pulley Shaft, Sleeve	2
84	141-0-681T-00100	Sleeve Assembly, Oil Dumper	1
	SCREW NOUNTING		
Y51		Tapping Screw 3 x 8 mm	2
Y52		Pan Head Screw with Spring Wahser 3 x 5 mm	1
Y53		Spring Washer 3 mm	2
Y54		"E" Ring 2 mm	2
	UNNECESSARY PARTS		
5	141-2-855T-09700	Coil Spring, Top Lid Opener	1
8	141-2-858T-05100	Bracket, Coil Spring (7) Mtg.	1
Y10		Tapping Screw 3 x 8 mm	1

SANYO ELECTRIC TRADING CO., LTD.
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MODIFICATION NOTICE

STEREO MUSIC SYSTEM

SANYO

DCW 4800UM (EUROPE)
OIL DUMPER

Date June 10, 1980 Issued by _____

The following corrections should be made in the SERVICE MANUALS and PARTS (PRICE) LIST.

		Section	Key No.	Part No.	Description	Q'ty	Remark	Reason
1	From	Cabinet	3	141-9-124T-15201	Top lid Assy	1		F
	To		3	141-0-124T-15200	"	1		
2	From							
	To							
3	From							
	To							

In Modification Notice (WM-3757) dated Jan. o0, 1979, the part number of top lid assembly is added as 141-9-124T-15201 to Model DCW4800UM with oil dumper. This is mis-register. This part number is corrected as 141-0-124T-15200.

INTERCHANGEABLE NOT INTERCHANGEABLE	Serial No. Chassis No.	Effective from
Q'ty of initial production before modification.	Identification of modified unit.	

REASON FOR MODIFICATION
A ..... Standardization
B ..... Change of materials
C ..... Improvement of reliability
D ..... Improvement of performance
E ..... Miss print
F ..... Miss register
G .....

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